



EDI Specifications
Version 4010 / Transaction Set 211
Bill of Lading

211 Motor Carrier Bill of Lading

INTRODUCTION

The purpose of this section is to present and explain the application of the ASC X12 standards as they pertain to the motor carrier and retail industry implementation of the Transaction Set 211, Motor Carrier Bill of Lading.

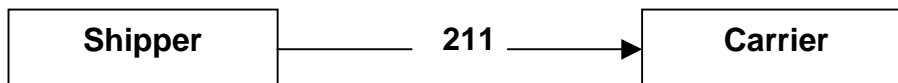
Transaction Set 211 is used as a replacement of, or supplement to, a paper bill of lading. It is sent from the company that controls the freight to the motor carrier. The 211 is used primarily by less than truckload carriers.

The 211 is considered an exact representation of the shipment. When agreed to by trading partners, the 211 replaces the paper bill of lading at pick up for contractual purposes.

A Functional Acknowledgment is required when the 211 is a pre-rated bill of lading, and recommended in all other uses of the 211.

Transaction Set 211 is not to be used to provide a motor carrier with data related to a load tender, pick up manifest, or appointment scheduling.

A. Transaction Set 211 used as a Bill of Lading to an LTL carrier



Shipper transmits 211 as bill of lading to an LTL carrier.

The transaction set is used to convey bill of lading information for a single shipment having only one origin and one destination. A separate transaction set will be transmitted for each shipment.

Equipment details and handling requirements are transmitted in the Header. Ship from and ship to address information and applicable reference numbers are conveyed in the 0100 loop. Line item details that are used for rating and pricing are transmitted in the 0200, 0210, and 0220 loops. Hazardous commodity information is transmitted in the 0230, and 0231 loops.

The bill of lading transaction should be transmitted to the carrier immediately after the shipment has been loaded. This will allow for any final changes to be included in the original transmission.

Trading partners will need to agree on the timeliness of the transmission. Carriers need the electronic information to move the shipment.

ASC X12 211 Motor Carrier Bill of Lading

FUNCTIONAL GROUP: **BL**

This Draft Standard for Trial Use contains the format and establishes the data contents of the Motor Carrier Bill of Lading Transaction Set (211) for use within the context of an Electronic Data Interchange (EDI) environment. This transaction set can be used to allow shippers or other parties, responsible for contracting with a motor carrier, to provide a legal bill of lading for a shipment. It is not to be used to provide a motor carrier with data relative to a load tender, pick-up manifest, or appointment scheduling.

Table 1

PAGE	POS.NO.	SEG.ID	NAME	REQ.DES.	MAX USE	LOOP REPEAT
549	0100	ST	Transaction Set Header	M	1	
550	0200	BOL	Beginning Segment for the Motor Carrier Bill of Lading	M	1	
553	0300	B2A	Set Purpose	M	1	
554	0400	MS3	Interline Information	O	12	
556	0500	MS2	Equipment or Container Owner and Type	O	1	
557	0600	L11	Business Instructions and Reference Number	O	100	
558	0700	G62	Date/Time	O	6	
559	0800	AT5	Bill of Lading Handling Requirements	O	50	
561	0900	K1	Remarks	O	10	
LOOP ID - 0100						10
562	1000	N1	Name	O	1	
564	1100	N2	Additional Name Information	O	1	
565	1200	N3	Address Information	O	2	
566	1300	N4	Geographic Location	O	1	
568	1400	G61	Contact	O	3	

Table 2

PAGE	POS.NO.	SEG.ID	NAME	REQ.DES.	MAX USE	LOOP REPEAT
LOOP ID - 0200						9999
569	0100	AT1	Bill of Lading Line Item Number	M	1	
570	0200	L11	Business Instructions and Reference Number	O	100	
571	0300	AT3	Bill of Lading Rates and Charges	O	1	
573	0400	AT4	Bill of Lading Description	O	99	
LOOP ID - 0210						1
574	0500	AT2	Bill of Lading Line Item Detail	O	1	
577	0600	MAN	Marks and Numbers	O	999999	
579	0700	OID	Order Identification Detail	O	999999	
LOOP ID - 0220						999999
581	0800	LX	Assigned Number	O	1	
582	0900	MAN	Marks and Numbers	O	999999	
584	1000	OID	Order Identification Detail	O	999999	
LOOP ID - 0230						2
586	1100	G61	Contact	O	1	
587	1200	L11	Business Instructions and Reference Number	O	5	
588	1300	LH6	Hazardous Certification	O	6	
LOOP ID - 0231						25
589	1400	LH1	Hazardous Identification Information	M	1	

591	1500	LH2	Hazardous Classification Information	O	4		
593	1600	LH3	Hazardous Material Shipping Name	O	10		
594	1700	LFH	Freeform Hazardous Material Information	O	20		
596	1800	LEP	EPA Required Data	O	3		
597	1900	LH4	Canadian Dangerous Requirements	O	1		
599	2000	LHT	Transborder Hazardous Requirements	O	3		
600	2100	L11	Business Instructions and Reference Number	O	5		
601	2200	SE	Transaction Set Trailer	M	1		

ATA 211 Motor Carrier Bill of Lading

FUNCTIONAL GROUP: **BL**

This Draft Standard for Trial Use contains the format and establishes the data contents of the Motor Carrier Bill of Lading Transaction Set (211) for use within the context of an Electronic Data Interchange (EDI) environment. This transaction set can be used to allow shippers or other parties, responsible for contracting with a motor carrier, to provide a legal bill of lading for a shipment. It is not to be used to provide a motor carrier with data relative to a load tender, pick-up manifest, or appointment scheduling.

Table 1

PAGE	POS.NO.	SEG.ID	NAME	REQ.DES.	MAX USE	LOOP REPEAT
549	0100	ST	Transaction Set Header	M	1	
550	0200	BOL	Beginning Segment for the Motor Carrier Bill of Lading	M	1	
553	0300	B2A	Set Purpose	M	1	
554	0400	MS3	Interline Information	O	12	
556	0500	MS2	Equipment or Container Owner and Type	O	1	
557	0600	L11	Business Instructions and Reference Number	O	100	
558	0700	G62	Date/Time	O	6	
559	0800	AT5	Bill of Lading Handling Requirements	O	50	
561	0900	K1	Remarks	O	10	
LOOP ID - 0100						10
562	1000	N1	Name	O	1	
564	1100	N2	Additional Name Information	O	1	
565	1200	N3	Address Information	O	2	
566	1300	N4	Geographic Location	O	1	
568	1400	G61	Contact	O	3	

Table 2

PAGE	POS.NO.	SEG.ID	NAME	REQ.DES.	MAX USE	LOOP REPEAT
LOOP ID - 0200						9999
569	0100	AT1	Bill of Lading Line Item Number	M	1	
570	0200	L11	Business Instructions and Reference Number	O	100	
571	0300	AT3	Bill of Lading Rates and Charges	O	1	
573	0400	AT4	Bill of Lading Description	O	99	
LOOP ID - 0210						1
574	0500	AT2	Bill of Lading Line Item Detail	O	1	
577	0600	MAN	Marks and Numbers	O	999999	
579	0700	OID	Order Identification Detail	O	999999	
LOOP ID - 0220						999999
581	0800	LX	Assigned Number	O	1	
582	0900	MAN	Marks and Numbers	O	999999	
584	1000	OID	Order Identification Detail	O	999999	
LOOP ID - 0230						2
586	1100	G61	Contact	O	1	
587	1200	L11	Business Instructions and Reference Number	O	5	
588	1300	LH6	Hazardous Certification	O	6	
LOOP ID - 0231						25
589	1400	LH1	Hazardous Identification Information	M	1	

591	1500	LH2	Hazardous Classification Information	O	4		
593	1600	LH3	Hazardous Material Shipping Name	O	10		
594	1700	LFH	Freeform Hazardous Material Information	O	20		
596	1800	LEP	EPA Required Data	O	3		
597	1900	LH4	Canadian Dangerous Requirements	O	1		
599	2000	LHT	Transborder Hazardous Requirements	O	3		
600	2100	L11	Business Instructions and Reference Number	O	5		
601	2200	SE	Transaction Set Trailer	M	1		

Segment: ST Transaction Set Header

Level: Header

Loop: _____

Usage: Mandatory

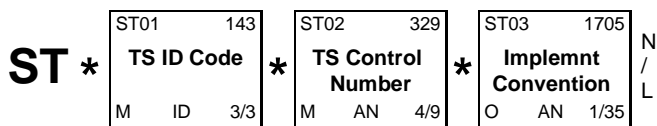
Max Use: 1

Purpose: To indicate the start of a transaction set and to assign a control number

Semantic: 1 The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

Notes: Required by the Motor Carrier Industry

Example: ST*211*000010001 N/L



Data Element Summary

REF. DES.	DATA ELE.	NAME	ATTRIBUTES
ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set	M ID 3/3
Required by the Motor Carrier Industry			
		CODE DEFINITION	
		211 Motor Carrier Bill of Lading	
ST02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M AN 4/9
Required by the Motor Carrier Industry			
This number is composed of the 1 to 5 digit data interchange control number (5 low order digits from data element 28 from the associated functional header) subscripted with a 4 digit serial number beginning with 0001 which indicates the transaction set's position in the transmitted functional group. The subscripted 4 digit serial number is sequentially assigned by the sender and is incremented by one.			
The maximum number of transaction sets in any functional group is 9999 application transactions.			
The transaction set control number in this header must match the transaction set control number used in the transaction set trailer (SE).			
ST03	1705	Implementation Convention Reference Reference assigned to identify Implementation Convention	O AN 1/35
Not Used by the Motor Carrier Industry			

Segment: BOL Beginning Segment for the Motor Carrier Bill of Lading

Level: Header

Loop: _____

Usage: Mandatory

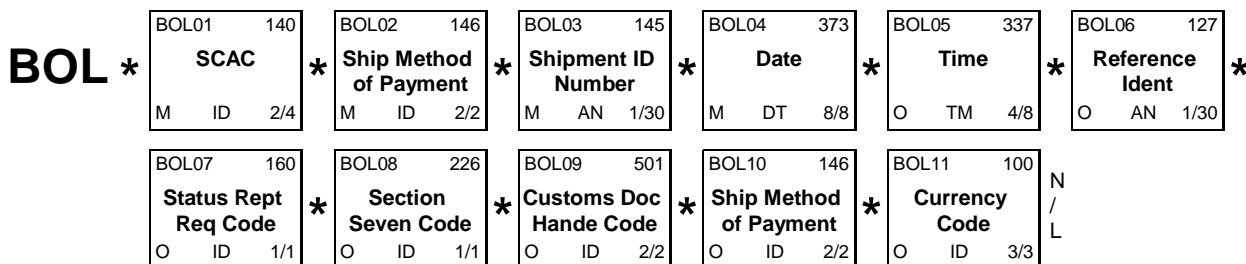
Max Use: 1

Purpose: To transmit identifying numbers, dates, and other basic data related to the transaction set

- Semantic:**
- 1 BOL01 is the Standard Carrier Alpha Code (SCAC) of the carrier that is to provide transportation services.
 - 2 BOL02 is the method of payment for the freight charges.
 - 3 BOL03 is the identification number assigned by the shipper, usually the Bill of Lading number.
 - 4 BOL04 is the date the carrier picked up the freight.
 - 5 BOL05 is the actual time the carrier picked up the freight.
 - 6 BOL06 is the number assigned by the carrier to the shipment, usually the PRO number.
 - 7 BOL10 is the method of payment for the COD fee.
 - 8 BOL11 is the currency that all monetary units are specified in for this transaction set.

Notes: Required by the Motor Carrier Industry

Example: BOL*SCAC*CC*123456*19981130*1840*1234567890**S**PP N/L



Data Element Summary

REF. DES.	DATA ELE.	NAME	ATTRIBUTES
BOL01	140	Standard Carrier Alpha Code Standard Carrier Alpha Code	M ID 2/4
Required by the Motor Carrier Industry			
See External Code Source 17 in Chapter IX for reference document.			
BOL02	146	Shipment Method of Payment Code identifying payment terms for transportation charges	M ID 2/2
Required by the Motor Carrier Industry			
		CODE	DEFINITION
		CC	Collect
		PP	Prepaid (by Seller)
		TP	Third Party Pay

Data Element Summary

REF. DES.	DATA ELE.	NAME	ATTRIBUTES
BOL03	145	Shipment Identification Number	M AN 1/30
		Identification number assigned to the shipment by the shipper that uniquely identifies the shipment from origin to ultimate destination and is not subject to modification; (Does not contain blanks or special characters)	
		Required by the Motor Carrier Industry	
		A unique number assigned by the shipper to identify the shipment. This is usually the Bill of Lading number. This number may not be unique in the carrier's internal system.	
BOL04	373	Date	M DT 8/8
		Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	
		Required by the Motor Carrier Industry	
BOL05	337	Time	O TM 4/8
		Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	
		Local time is assumed.	
BOL06	127	Reference Identification	O AN 1/30
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
BOL07	160	Status Report Request Code	O ID 1/1
		Code used by the shipper to specify that an automatic status report is requested when the shipment is delivered	
		<u>CODE</u>	<u>DEFINITION</u>
		P	Proof of delivery document required
		R	Automatic Status Report Requested
BOL08	226	Section Seven Code	O ID 1/1
		Code indicating applicability of section seven option (if not transmitted assume not in effect)	
		<u>CODE</u>	<u>DEFINITION</u>
		N	Not in Effect
		S	In Effect
BOL09	501	Customs Documentation Handling Code	O ID 2/2
		Code defining method of handling for documentation	
		<u>CODE</u>	<u>DEFINITION</u>
		14	Proforma and B13 Entered
		15	Proforma Entered and B13 with Car
		16	Proforma Entered and B13 by Summary Reporting
		17	Proforma Entered with B13 with Broker Port of Exit
		24	Proforma with Car and B13 Entered
		25	Proforma and B13 with Car
		26	Proforma with Car and B13 by Summary Reporting
		27	Proforma with Car and B13 with Broker Port of Exit
		34	Proforma with Broker Port of Exit and B13 Entered
		35	Proforma with Broker Port of Exit and B13 with Car
		36	Proforma with Broker Port of Exit B13 by Summary Reporting
		37	Proforma and B13 with Broker Port of Exit
		90	Customs A 4 +

Data Element Summary

REF. DES.	DATA ELE.	NAME	ATTRIBUTES
BOL10	146	Shipment Method of Payment Code identifying payment terms for transportation charges	O ID 2/2
		CODE DEFINITION	
		CC Collect	
		PP Prepaid (by Seller)	
		TP Third Party Pay	
BOL11	100	Currency Code Code (Standard ISO) for country in whose currency the charges are specified	O ID 3/3
If not specified, "USD" is assumed.			
See External Code Source 5 in Chapter IX for reference document.			

Segment: B2A Set Purpose

Level: Header

Loop: _____

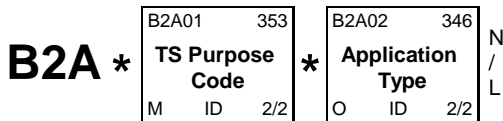
Usage: Mandatory

Max Use: 1

Purpose: To allow for positive identification of transaction set purpose

Notes: Required by the Motor Carrier Industry

Example: B2A*00 N/L



Data Element Summary

REF. DES.	DATA ELE.	NAME	ATTRIBUTES
B2A01	353	Transaction Set Purpose Code	M ID 2/2
		Code identifying purpose of transaction set	
		Required by the Motor Carrier Industry	
		CODE	DEFINITION
		00	Original
		01	Cancellation
		18	Reissue
			Use of this code indicates that changes have been made to a previously transmitted transaction set. The original transmission shall be modified and sent in its entirety. The receiver shall replace the previous transmission with this transmission.
B2A02	346	Application Type	O ID 2/2
		Code identifying an application	
		Not Used by the Motor Carrier Industry	

Segment: MS3 Interline Information

Level: Header

Loop: _____

Usage: Optional

Max Use: 12

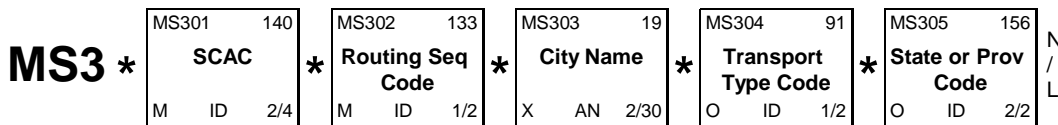
Purpose: To identify the interline carrier and relevant data

Syntax: 1 C0503 - If MS305 is present, then MS303 is required.

Semantic: 1 MS301 is the Standard Carrier Alpha Code (SCAC) of the interline carrier.

2 MS303 is the city where the interline was performed.

Example: MS3*SCAC*O*BALTIMORE*O*MD N/L



Data Element Summary

REF. DES.	DATA ELE.	NAME	ATTRIBUTES
MS301	140	Standard Carrier Alpha Code Standard Carrier Alpha Code	M ID 2/4
Required by the Motor Carrier Industry			
See External Code Source 17 in Chapter IX for reference document.			
MS302	133	Routing Sequence Code Code describing the relationship of a carrier to a specific shipment movement	M ID 1/2
Required by the Motor Carrier Industry			
		CODE DEFINITION	
		1 1st Carrier after Origin Carrier	
		2 2nd Carrier after Origin Carrier	
		3 3rd Carrier after Origin Carrier	
		4 4th Carrier after Origin Carrier	
		5 5th Carrier after Origin Carrier	
		6 6th Carrier after Origin Carrier	
		7 7th Carrier after Origin Carrier	
		8 8th Carrier after Origin Carrier	
		9 9th Carrier after Origin Carrier	
		O Origin Carrier (Air, Motor, or Ocean)	
MS303	19	City Name Free-form text for city name	X AN 2/30
MS304	91	Transportation Method/Type Code Code specifying the method or type of transportation for the shipment	O ID 1/2
		CODE DEFINITION	
		A Air	
		J Motor	
		O Containerized Ocean	
		R Rail	
		S Ocean	
		U Private Parcel Service	

Data Element Summary

REF. DES.	DATA ELE.	NAME	ATTRIBUTES
		CODE DEFINITION	
		X Intermodal (Piggyback)	
		CE Customer Pickup / Customer's Expense	
		FL Motor (Flatbed)	
		LT Less Than Trailer Load (LTL)	
		MP Motor (Package Carrier)	
MS305	156	State or Province Code	O ID 2/2
		Code (Standard State/Province) as defined by appropriate government agency	

Segment: MS2 Equipment or Container Owner and Type

Level: Header

Loop: _____

Usage: Optional

Max Use: 1

Purpose: To specify the owner, the identification number assigned by that owner, and the type of equipment

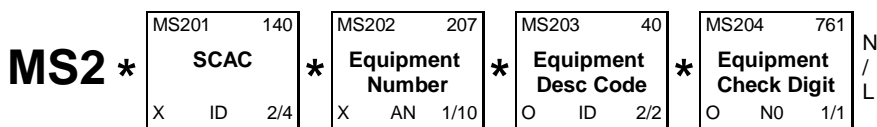
Set Notes: 1 The MS2 segment is used to provide the carrier with the trailer number of the trailer that has the shipment on it.

Syntax: 1 P0102 - If either MS201 or MS202 is present, then the other is required.

2 C0402 - If MS204 is present, then MS202 is required.

Comments: A MS203 identifies the type for the equipment specified in MS202.

Example: MS2*SCAC*123456*TF* N/L



Data Element Summary

REF. DES.	DATA ELE.	NAME	ATTRIBUTES
MS201	140	Standard Carrier Alpha Code Standard Carrier Alpha Code	X ID 2/4
Required by the Motor Carrier Industry			
See External Code Source 17 in Chapter IX for reference document.			
MS202	207	Equipment Number Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)	X AN 1/10
Required by the Motor Carrier Industry			
MS203	40	Equipment Description Code Code identifying type of equipment used for shipment	O ID 2/2
		CODE DEFINITION	
		CN Container	
		DD Double-Drop Trailer	
		FT Flat Bed Trailer	
		HV High Cube Van	
		RT Controlled Temperature Trailer (Reefer)	
		TF Trailer, Dry Freight	
		TL Trailer (not otherwise specified)	
		TV Truck, Van	
MS204	761	Equipment Number Check Digit Number which designates the check digit applied to a piece of equipment	O NO 1/1
Not Used by the Motor Carrier Industry			

Segment: L11 Business Instructions and Reference Number

Level: Header

Loop: _____

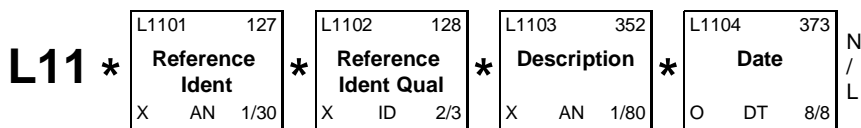
Usage: Optional

Max Use: 100

Purpose: To specify instructions in this business relationship or a reference number

- Syntax:** 1 R0103 - At least one of L1101 or L1103 is required.
2 P0102 - If either L1101 or L1102 is present, then the other is required.

Example: L11*12794*RZ N/L



Data Element Summary

REF. DES.	DATA ELE.	NAME	ATTRIBUTES
L1101	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30
Required by the Motor Carrier Industry			
L1102	128	Reference Identification Qualifier Code qualifying the Reference Identification	X ID 2/3
Required by the Motor Carrier Industry			
		CODE DEFINITION	
		BM Bill of Lading Number	
		BN Booking Number	
		CG Consignee's Order Number	
		CO Customer Order Number	
		In the retail industry, this refers to the customer of the retailer.	
		CR Customer Reference Number	
		MA Ship Notice/Manifest Number	
		OI Original Invoice Number	
		PK Packing List Number	
		PO Purchase Order Number	
		RZ Returned Goods Authorization Number	
		SO Shipper's Order (Invoice Number)	
		TG Transportation Control Number (TCN)	
Not Used by the Retail Industry			
L1103	352	Description A free-form description to clarify the related data elements and their content	X AN 1/80
Not Used by the Motor Carrier Industry			
L1104	373	Date Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	O DT 8/8
Not Used by the Motor Carrier Industry			

Segment: G62 Date/Time

Level: Header

Loop: _____

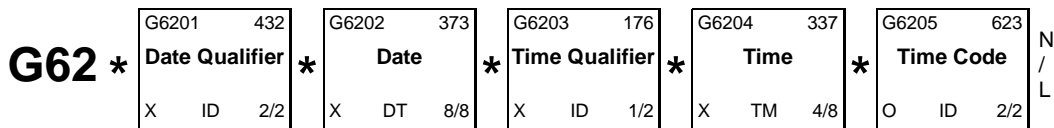
Usage: Optional

Max Use: 6

Purpose: To specify pertinent dates and times

- Syntax:**
- 1 R0103 - At least one of G6201 or G6203 is required.
 - 2 P0102 - If either G6201 or G6202 is present, then the other is required.
 - 3 P0304 - If either G6203 or G6204 is present, then the other is required.

Example: G62*68*19980114*G*1350*CT N/L



Data Element Summary

REF. DES.	DATA ELE.	NAME	ATTRIBUTES																		
G6201	432	Date Qualifier	X ID 2/2																		
		Code specifying type of date																			
		<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">CODE</th> <th style="text-align: left;">DEFINITION</th> </tr> </thead> <tbody> <tr><td>35</td><td>Delivered on This Date</td></tr> <tr><td>53</td><td>Deliver Not Before Date</td></tr> <tr><td>54</td><td>Deliver No Later Than Date</td></tr> <tr><td>67</td><td>Delivered By This Date</td></tr> <tr><td>68</td><td>Requested Delivery Date</td></tr> <tr><td>70</td><td>Scheduled Delivery Date</td></tr> <tr><td>78</td><td>Delivery Appointment Scheduled Date</td></tr> <tr><td>80</td><td>Delivery Requested Scheduled Date</td></tr> </tbody> </table>	CODE	DEFINITION	35	Delivered on This Date	53	Deliver Not Before Date	54	Deliver No Later Than Date	67	Delivered By This Date	68	Requested Delivery Date	70	Scheduled Delivery Date	78	Delivery Appointment Scheduled Date	80	Delivery Requested Scheduled Date	
CODE	DEFINITION																				
35	Delivered on This Date																				
53	Deliver Not Before Date																				
54	Deliver No Later Than Date																				
67	Delivered By This Date																				
68	Requested Delivery Date																				
70	Scheduled Delivery Date																				
78	Delivery Appointment Scheduled Date																				
80	Delivery Requested Scheduled Date																				
G6202	373	Date	X DT 8/8																		
		Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year																			
G6203	176	Time Qualifier	X ID 1/2																		
		Code specifying the reported time																			
		<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">CODE</th> <th style="text-align: left;">DEFINITION</th> </tr> </thead> <tbody> <tr><td>3</td><td>Delivery Appointment Scheduled Time</td></tr> <tr><td>G</td><td>Earliest Requested Deliver Time</td></tr> <tr><td>L</td><td>Latest Requested Delivery Time</td></tr> <tr><td>X</td><td>Scheduled Delivery Time</td></tr> <tr><td>Z</td><td>Requested Delivery Time</td></tr> </tbody> </table>	CODE	DEFINITION	3	Delivery Appointment Scheduled Time	G	Earliest Requested Deliver Time	L	Latest Requested Delivery Time	X	Scheduled Delivery Time	Z	Requested Delivery Time							
CODE	DEFINITION																				
3	Delivery Appointment Scheduled Time																				
G	Earliest Requested Deliver Time																				
L	Latest Requested Delivery Time																				
X	Scheduled Delivery Time																				
Z	Requested Delivery Time																				
G6204	337	Time	X TM 4/8																		
		Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)																			
G6205	623	Time Code	O ID 2/2																		
		Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow																			

Not Used by the Motor Carrier Industry

Segment: AT5 Bill of Lading Handling Requirements

Level: Header

Loop: _____

Usage: Optional

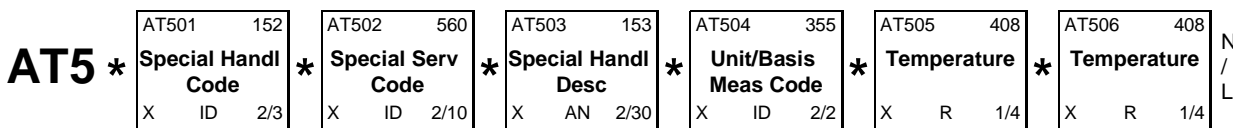
Max Use: 50

Purpose: To identify Bill of Lading handling and service requirements

- Syntax:**
- 1 E0103 - Only one of AT501 or AT503 may be present.
 - 2 E0203 - Only one of AT502 or AT503 may be present.
 - 3 L040506 - If AT504 is present, then at least one of AT505 or AT506 is required.
 - 4 C0504 - If AT505 is present, then AT504 is required.
 - 5 C0604 - If AT506 is present, then AT504 is required.

- Semantic:**
- 1 AT505 is the minimum temperature.
 - 2 AT506 is the maximum temperature.

Example: AT5*EXC*CU N/L



Data Element Summary

REF. DES.	DATA ELE.	NAME	ATTRIBUTES
AT501	152	Special Handling Code Code specifying special transportation handling instructions	X ID 2/3
		CODE DEFINITION	
		EP Expedite	
		FR Fragile - Handle with Care	
		LF Loaded to Full Visible Capacity	
		NC Notify Consignee Before Delivery	
		675 Security Signature Service	
		AMM A.M. Delivery Requirement	
		BLS Blind Shipment	
		DNF Do Not Freeze	
		EXC Exclusive Use of Vehicle	
		EXQ Expedited Service	
		KMD Keep Material Dry	
		PFH Protect From Heat	
		PMM P.M. Delivery Requirement	
		RCC Reconsignment	
		RCL Redelivery	
AT502	560	Special Services Code Code identifying the special service	X ID 2/10
		CODE DEFINITION	
		C1 Shipper Load and Count	
		CU Consignee Unload	
		ID Inside Delivery	
		L1 Shipper Load, Carrier Count	
		S1 Shipper Load, Consignee Unload	
		V1 Drop Yard	

Data Element Summary

REF. DES.	DATA ELE.	NAME	ATTRIBUTES
		<u>CODE</u> <u>DEFINITION</u>	
		V2 Drop Dock	
AT503	153	Special Handling Description	X AN 2/30
		Free-form additional description of special handling instructions to appear on printed bill if special handling code is not adequate	
		Not Recommended by the Motor Carrier Industry	
AT504	355	Unit or Basis for Measurement Code	X ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
		<u>CODE</u> <u>DEFINITION</u>	
		FA Fahrenheit	
AT505	408	Temperature	X R 1/4
		Temperature	
AT506	408	Temperature	X R 1/4
		Temperature	

Segment: K1 **Remarks**

Level: Header

Loop: _____

Usage: Optional

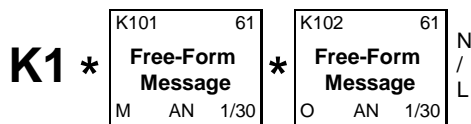
Max Use: 10

Purpose: To transmit information in a free-form format for comment or special instruction

Notes: **Not Recommended by the Motor Carrier Industry**

Use of the K1 for free-form information requires manual intervention to process the information being conveyed.

Example: K1*REMARKS N/L



Data Element Summary

REF. DES.	DATA ELE.	NAME	ATTRIBUTES
K101	61	Free-Form Message Free-form information	M AN 1/30
Required by the Motor Carrier Industry			
K102	61	Free-Form Message Free-form information	O AN 1/30

Segment: N1 Name

Level: Header

Loop: 0100 **Repeat:** 10

Usage: Optional

Max Use: 1

Purpose: To identify a party by type of organization, name, and code

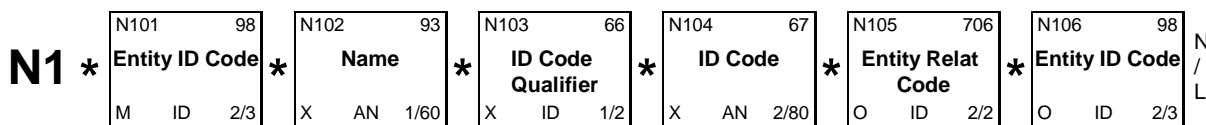
Set Notes: 1 Loop 0100 is used to specify the parties to the Bill of Lading, including but not limited to, the ship-from, ship-to, or bill-to parties.

Syntax: 1 R0203 - At least one of N102 or N103 is required.

2 P0304 - If either N103 or N104 is present, then the other is required.

Comments: A This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.

Example: N1*SF**25*2117219 N/L



Data Element Summary

REF. DES.	DATA ELE.	NAME	ATTRIBUTES
N101	98	Entity Identifier Code	M ID 2/3

Code identifying an organizational entity, a physical location, property or an individual

Required by the Motor Carrier Industry

CODE	DEFINITION
BT	Bill-to-Party
CN	Consignee
CS	Consolidator
FR	Message From
OB	Ordered By
SF	Ship From
	If the code "SF" (Ship From) and the code "SH" (Shipper) are used in the same N1 loop, the carrier will pick-up the freight at the location indicated by the code "SF".
SH	Shipper
ST	Ship To
	If the code "ST" (Ship To) and the code "CN" (Consignee) are used in the same N1 loop, the carrier will deliver the freight at the location indicated by the code "ST".
TO	Message To
Z7	Mark-for Party

N102	93	Name	X AN 1/60
		Free-form name	

N103	66	Identification Code Qualifier	X ID 1/2
		Code designating the system/method of code structure used for Identification Code (67)	

CODE	DEFINITION
1	D-U-N-S Number, Dun & Bradstreet

See External Code Source 16 in Chapter IX for reference document.

Data Element Summary

REF. DES.	DATA ELE.	NAME	ATTRIBUTES
		CODE	DEFINITION
		9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix See External Code Source 16 in Chapter IX for reference document.
		10	Department of Defense Activity Address Code (DODAAC) See External Code Source 350 in Chapter IX for reference document. Not Used by the Retail Industry
		18	Automotive Industry Action Group (AIAG) Not Used by the Retail Industry
		25	Carrier's Customer Code
		93	Code assigned by the organization originating the transaction set
		94	Code assigned by the organization that is the ultimate destination of the transaction set
N104	67	Identification Code	X AN 2/80
			Code identifying a party or other code This data element is required if the country is not the United States. Any identification codes used in N104 must relate to the entity identified in N101. This is the location code as defined by N103. The location code may be a formal number, e.g., DUNS or it may be assigned by either the carrier or the customer. The location refers to a store, warehouse, distribution center, plant, carrier freight terminal, etc. Location codes are used to alleviate the need to send complete names and addresses.
N105	706	Entity Relationship Code	O ID 2/2
			Code describing entity relationship Not Used by the Motor Carrier Industry
N106	98	Entity Identifier Code	O ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual Not Used by the Motor Carrier Industry

Segment: N2 Additional Name Information

Level: Header

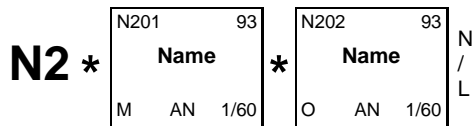
Loop: 0100

Usage: Optional

Max Use: 1

Purpose: To specify additional names

Example: N2*BIG DEPARTMENT STORE N/L



Data Element Summary

REF. DES.	DATA ELE.	NAME	ATTRIBUTES
N201	93	Name Free-form name	M AN 1/60
Required by the Motor Carrier Industry			
N202	93	Name Free-form name	O AN 1/60

Segment: N3 Address Information

Level: Header

Loop: 0100

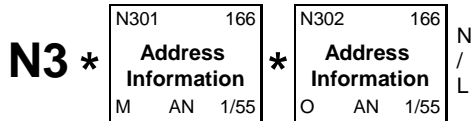
Usage: Optional

Max Use: 2

Purpose: To specify the location of the named party

Notes: Recommended by the Motor Carrier Industry

Example: N3*549 KING STREET N/L



Data Element Summary

REF. DES.	DATA ELE.	NAME	ATTRIBUTES
N301	166	Address Information Address information	M AN 1/55
Required by the Motor Carrier Industry			
N302	166	Address Information Address information	O AN 1/55

Segment: N4 Geographic Location

Level: Header

Loop: 0100

Usage: Optional

Max Use: 1

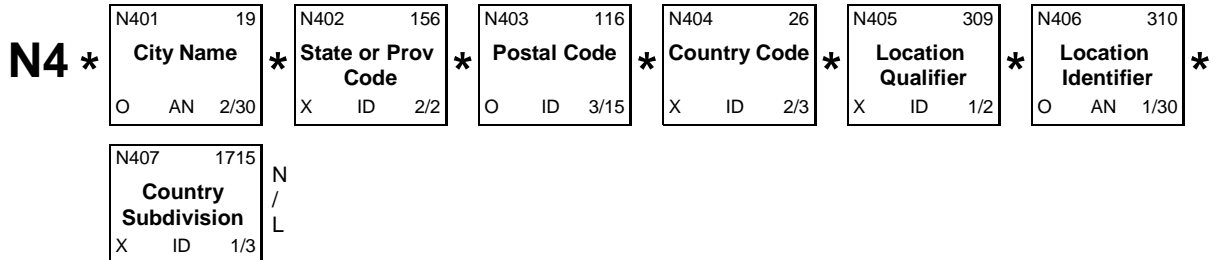
Purpose: To specify the geographic place of the named party

- Syntax:**
- 1 E0207 - Only one of N402 or N407 may be present.
 - 2 C0605 - If N406 is present, then N405 is required.
 - 3 C0704 - If N407 is present, then N404 is required.

- Comments:**
- A A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
 - B N402 is required only if city name (N401) is in the U.S. or Canada.

Notes: Recommended by the Motor Carrier Industry

Example: N4*ALEXANDRIA*VA*22314 N/L



Data Element Summary

REF. DES.	DATA ELE.	NAME	ATTRIBUTES
N401	19	City Name Free-form text for city name Required by the Motor Carrier Industry	O AN 2/30
N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	X ID 2/2
N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States) See External Code Source 51 in Chapter IX for reference document.	O ID 3/15
N404	26	Country Code Code identifying the country This data element is required if the country is not the United States. See External Code Source 5 in Chapter IX for reference document.	X ID 2/3
N405	309	Location Qualifier Code identifying type of location Not Used by the Motor Carrier Industry	X ID 1/2
N406	310	Location Identifier Code which identifies a specific location Not Used by the Motor Carrier Industry	O AN 1/30

Data Element Summary

REF. DES.	DATA ELE.	NAME	ATTRIBUTES
N407	1715	Country Subdivision Code Code identifying the country subdivision	X ID 1/3
Not Used by the Motor Carrier Industry			

Segment: G61 Contact

Level: Header

Loop: 0100

Usage: Optional

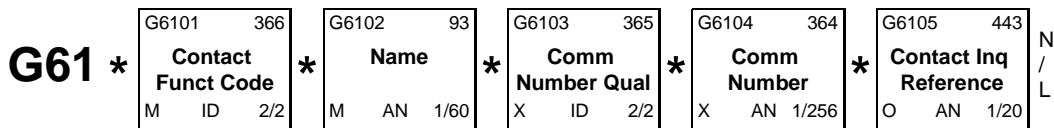
Max Use: 3

Purpose: To identify a person or office to whom communications should be directed

Syntax: 1 P0304 - If either G6103 or G6104 is present, then the other is required.

Comments: A G6103 qualifies G6104.

Example: G61*DC*RECEIVING DEPT*TE*2163841717 N/L



Data Element Summary

REF. DES.	DATA ELE.	NAME	ATTRIBUTES
G6101	366	Contact Function Code	M ID 2/2
Code identifying the major duty or responsibility of the person or group named			
Required by the Motor Carrier Industry			
		<u>CODE</u> <u>DEFINITION</u>	
		DC Delivery Contact	
		SH Shipper Contact	
G6102	93	Name	M AN 1/60
Free-form name			
Required by the Motor Carrier Industry			
G6103	365	Communication Number Qualifier	X ID 2/2
Code identifying the type of communication number			
		<u>CODE</u> <u>DEFINITION</u>	
		EM Electronic Mail	
		FX Facsimile	
		TE Telephone	
G6104	364	Communication Number	X AN 1/256
Complete communications number including country or area code when applicable			
G6105	443	Contact Inquiry Reference	O AN 1/20
Additional reference number or description to clarify a contact number			
Not Used by the Motor Carrier Industry			

Segment: **AT1** Bill of Lading Line Item Number

Level: Detail

Loop: 0200 **Repeat:** 9999

Usage: Mandatory

Max Use: 1

Purpose: To reference a Bill of Lading line number

Set Notes: 1 The AT1 segment provides the line number for all of the related items included. It may include reference numbers, rates and charges, descriptions, and or line item details. Any data included within a single loop is related to the other data included in that loop. Any reference numbers included in a loop with line item details are related to that line item only. Any reference numbers included in its own line item are related to the entire shipment and can not be broken out by line item detail.

Notes: Required by the Motor Carrier Industry

Example: AT1*1 N/L

AT1 *

AT101	213
Lading Line Item Number	
M	NO 1/3

 N / L

Data Element Summary

REF. DES.	DATA ELE.	NAME	ATTRIBUTES
AT101	213	Lading Line Item Number Sequential line number for a lading item	M NO 1/3
Required by the Motor Carrier Industry			

Segment: L11 Business Instructions and Reference Number

Level: Detail

Loop: 0200

Usage: Optional

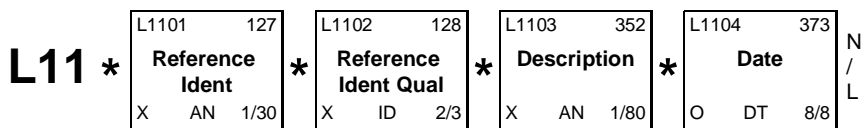
Max Use: 100

Purpose: To specify instructions in this business relationship or a reference number

Syntax: 1 R0103 - At least one of L1101 or L1103 is required.

2 P0102 - If either L1101 or L1102 is present, then the other is required.

Example: L11*123456*AE N/L



Data Element Summary

REF. DES.	DATA ELE.	NAME	ATTRIBUTES
L1101	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30
Required by the Motor Carrier Industry			
L1102	128	Reference Identification Qualifier Code qualifying the Reference Identification	X ID 2/3
Required by the Motor Carrier Industry			
		CODE DEFINITION	
		AE Authorization for Expense (AFE) Number	
		DP Department Number	
If the department number is sent in the SPO segment, then it shouldn't be sent in the L11 segment.			
L1103	352	Description A free-form description to clarify the related data elements and their content	X AN 1/80
Not Used by the Motor Carrier Industry			
L1104	373	Date Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	O DT 8/8
Not Used by the Motor Carrier Industry			

Segment: AT3 Bill of Lading Rates and Charges

Level: Detail

Loop: 0200

Usage: Optional

Max Use: 1

Purpose: To specify Bill of Lading rates and charges

Set Notes: 1 Care should be taken when using the AT3 segment to provide the carrier with a pre-rated Bill of Lading. Rates and charges included on the Bill of Lading are subject to audit. Accessorial charges usually can not be determined before the shipment has been delivered, therefore use of this segment may not negate the requirement for transaction set 210, Freight Invoice and Details.

2 The AT3 segment provides a means of transmitting freight charges and the basis for those charges. The amount of the charge appears in AT301. If the charge is based on a percent discount, the percent discount is transmitted in AT307 with the charge, after the discount has been applied, in AT301. If the charge is not based on a rating structure (per mile, per hundred weight, as weight etc.) the type of charge is identified in AT306. If the charge is based on a rate, the rate is transmitted in AT303 with the qualifier (per mile, per hundred weight) codified in AT302. If the quantity of the unit being rated is required AT305 is used in conjunction with AT304. For example, for a charge of \$20.00 that is based on a rate of \$1.00 per mile the segment would be as follows: AT3*2000*PM*1*MI*20 N/L.

Syntax: 1 P0203 - If either AT302 or AT303 is present, then the other is required.

2 E020607 - Only one of AT302, AT306 or AT307 may be present.

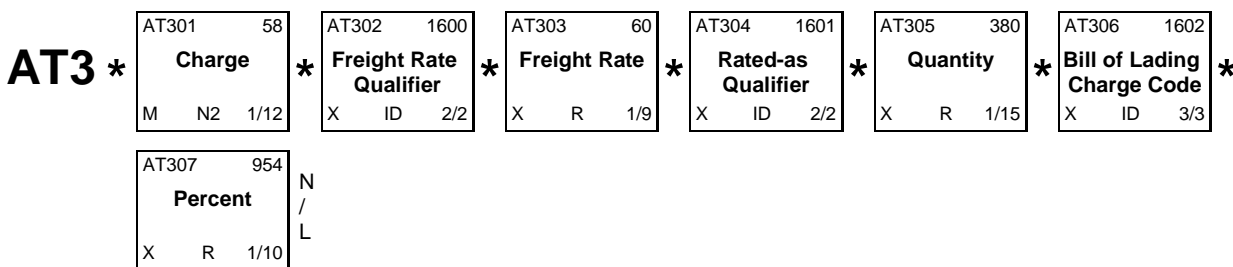
3 R020607 - At least one of AT302, AT306 or AT307 is required.

4 P0405 - If either AT304 or AT305 is present, then the other is required.

5 C0402 - If AT304 is present, then AT302 is required.

Semantic: 1 AT301 is the charge per Bill of Lading line item.

Example: AT3*12317*****COD N/L



Data Element Summary

REF. DES.	DATA ELE.	NAME	ATTRIBUTES
AT301	58	Charge	M N2 1/12
For a line item: freight or special charge; for the total invoice: the total charges -- expressed in the standard monetary denomination for the currency specified			
Required by the Motor Carrier Industry			
AT302	1600	Freight Rate Qualifier	X ID 2/2
Code qualifying the Bill of Lading freight rate			
Not Used by the Motor Carrier Industry			
AT303	60	Freight Rate	X R 1/9
Rate that applies to the specific commodity			
Not Used by the Motor Carrier Industry			

Data Element Summary

REF. DES.	DATA ELE.	NAME	ATTRIBUTES
AT304	1601	Rated-as Qualifier	X ID 2/2
		Code identifying the type of quantity on which the rate is based	
		Not Used by the Motor Carrier Industry	
		<u>CODE</u> <u>DEFINITION</u>	
		AS As Weight	
		Used with code CW in AT302.	
		BW Bumped Weight	
		Used with code CW in AT302.	
		CF Cubic Foot	
		Used with code PF in AT302.	
		DW Deficit Weight	
		Used with code CW in AT302.	
		GA Gallon	
		Used with code PG in AT302.	
		HW Hundred Weight	
		Used with code CW in AT302.	
		MI Mile	
		Used with code PM in AT302.	
		SY Square Yard	
		Used with code SY in AT302.	
		TR Trailer	
		Used with code PT in AT302.	
		UN Unit	
		Used with code PE in AT302.	
AT305	380	Quantity	X R 1/15
		Numeric value of quantity	
		Not Used by the Motor Carrier Industry	
AT306	1602	Bill of Lading Charge Code	X ID 3/3
		Code identifying the type of Bill of Lading charge	
		<u>CODE</u> <u>DEFINITION</u>	
		COD Cash on Delivery	
		COL Fee for Collecting COD	
AT307	954	Percent	X R 1/10
		Percentage expressed as a decimal	
		Not Used by the Motor Carrier Industry	

Segment: AT4 Bill of Lading Description

Level: Detail

Loop: 0200

Usage: Optional

Max Use: 99

Purpose: To specify the lading description

Set Notes: 1 Segment AT4 provides a means for the shipper to provide a text description of the line item. The National Motor Freight Classification and the freight class shall be included in the AT2 segment if applicable.

Example: AT4*IRON AND STEEL ARTICLES NOI N/L

AT4 *

AT401	79	N / L
Lading Description		
M	AN 1/50	

Data Element Summary

REF. DES.	DATA ELE.	NAME	ATTRIBUTES
AT401	79	Lading Description	M AN 1/50
		Description of an item as required for rating and billing purposes	
		Required by the Motor Carrier Industry	

Segment: AT2 Bill of Lading Line Item Detail

Level: Detail

Loop: 0210 **Repeat:** 1

Usage: Optional

Max Use: 1

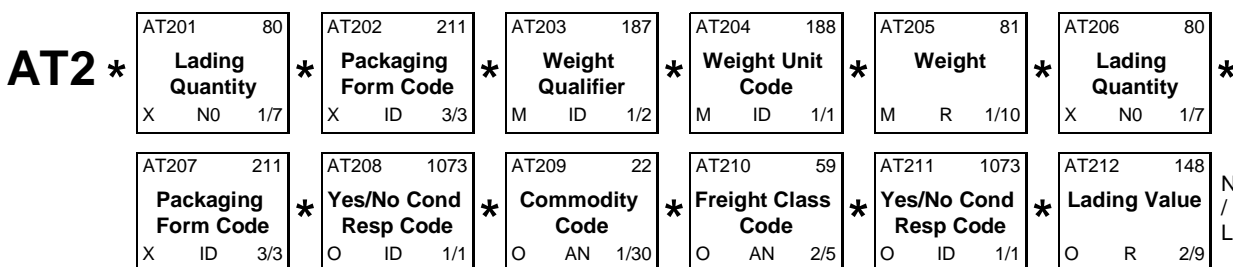
Purpose: To specify Bill of Lading quantity, weight, commodity classification and other details.

Set Notes: 1 The AT2 segment is used to provide the carrier with the appropriate data to rate the shipment. It is included per line item when the line item includes an item of freight.

Syntax: 1 P0102 - If either AT201 or AT202 is present, then the other is required.
 2 P0607 - If either AT206 or AT207 is present, then the other is required.

Semantic: 1 AT201 is the number of carrier handling units for the line item.
 2 AT202 is the packaging form of the lading quantity in AT201.
 3 AT203 and AT204 qualify AT205.
 4 AT206 is used only if AT202 contains the codes PLT, SKD, or SLP.
 5 AT206 is the total number of pieces contained on the pallets, skids or slip sheets identified in AT201.
 6 AT207 is the packaging form of the units contained on pallets, skids, or slip sheets.
 7 AT208 indicates if the carrier is required to verify the number of cartons on the pallet, slip sheet, or skid. A "Y" indicates that the carrier is required to verify the number of cartons. An "N" indicates that the carrier is not required to verify the number of cartons. If AT208 is not present in the segment a code of "N" is assumed.
 8 AT209 is the National Motor Freight Classification Number.
 9 AT211 is used to indicate a master handling unit line item. A "Y" indicates the line item is a master handling unit describing lading quantity, packaging form code, and weight. The commodity code, freight class, and weight would be contained in additional line items. An "N" indicates that the line is a sub line item of a master handling unit line item. Lading quantity and package type are not used for sub line items. AT211 is used only when describing master handling unit and sub line items.

Example: AT2*3*PLT*N*L*2000*30*CTN*N*12621701*77.5 N/L



Data Element Summary

REF. DES.	DATA ELE.	NAME	ATTRIBUTES
AT201	80	Lading Quantity Number of units (pieces) of the lading commodity	X NO 1/7
AT202	211	Packaging Form Code Code for packaging form of the lading quantity	X ID 3/3
		CODE DEFINITION	
		CTN Carton	
		PCS Pieces	
		PLT Pallet	

Data Element Summary

REF. DES.	DATA ELE.	NAME	ATTRIBUTES
		<u>CODE</u> <u>DEFINITION</u>	
		SKD Skid	
		SLP Slip Sheet	
AT203	187	Weight Qualifier	M ID 1/2
		Code defining the type of weight	
Required by the Motor Carrier Industry			
		<u>CODE</u> <u>DEFINITION</u>	
		N Actual Net Weight	
		T Tare Weight	
AT204	188	Weight Unit Code	M ID 1/1
		Code specifying the weight unit	
Required by the Motor Carrier Industry			
		<u>CODE</u> <u>DEFINITION</u>	
		K Kilograms	
		L Pounds	
AT205	81	Weight	M R 1/10
		Numeric value of weight	
Required by the Motor Carrier Industry			
AT206	80	Lading Quantity	X NO 1/7
		Number of units (pieces) of the lading commodity	
AT207	211	Packaging Form Code	X ID 3/3
		Code for packaging form of the lading quantity	
		<u>CODE</u> <u>DEFINITION</u>	
		CTN Carton	
		PCS Pieces	
AT208	1073	Yes/No Condition or Response Code	O ID 1/1
		Code indicating a Yes or No condition or response	
		<u>CODE</u> <u>DEFINITION</u>	
		N No	
		Y Yes	
AT209	22	Commodity Code	O AN 1/30
		Code describing a commodity or group of commodities	
AT210	59	Freight Class Code	O AN 2/5
		Code indicating generalized classification that applies to one or more items in the shipment, i.e., class 70, 77.5, etc.	
See External Code Source 8 in Chapter IX for reference document.			
See External Code Source 9 in Chapter IX for reference document.			
See External Code Source 11 in Chapter IX for reference document.			
See External Code Source 25 in Chapter IX for reference document.			
AT211	1073	Yes/No Condition or Response Code	O ID 1/1
		Code indicating a Yes or No condition or response	

Data Element Summary

REF. DES.	DATA ELE.	NAME	ATTRIBUTES
AT212	148	Lading Value	O R 2/9
		Value of shipment for export, expressed in the standard monetary denomination for the currency specified	

Segment: MAN Marks and Numbers

Level: Detail

Loop: 0210

Usage: Optional

Max Use: 999999

Purpose: To indicate identifying marks and numbers for shipping containers

Set Notes: 1 The MAN segment provides the marks and numbers associated with the line item identified in the AT2 segment.

Syntax: 1 P0405 - If either MAN04 or MAN05 is present, then the other is required.

2 C0605 - If MAN06 is present, then MAN05 is required.

Semantic: 1 MAN01/MAN02 and MAN04/MAN05 may be used to identify two different marks and numbers assigned to the same physical container.

2 When both MAN02 and MAN03 are used, MAN02 is the starting number of a sequential range and MAN03 is the ending number of that range.

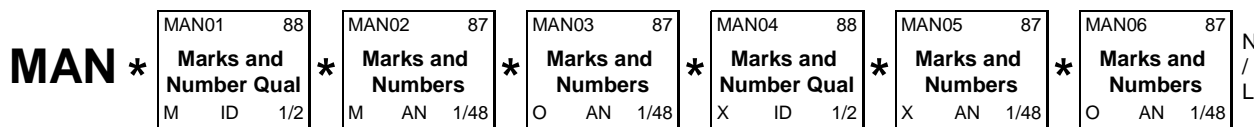
3 When both MAN05 and MAN06 are used, MAN05 is the starting number of a sequential range, and MAN06 is the ending number of that range.

Comments: A When MAN01 contains code "UC" (U.P.C. Shipping Container Code) and MAN05/MAN06 contain a range of ID numbers, MAN03 is not used. The reason for this is that the U.P.C. Shipping Container code is the same on every carton that is represented in the range in MAN05/MAN06.

B MAN03 and/or MAN06 are only used when sending a range(s) of ID numbers.

C When both MAN02/MAN03 and MAN05/MAN06 are used to send ranges of ID numbers, the integrity of the two ID numbers must be maintained.

Example: MAN*AA*00123456789098765432**CP*123567456 N/L



Data Element Summary

REF. DES.	DATA ELE.	NAME	ATTRIBUTES
MAN01	88	Marks and Numbers Qualifier	M ID 1/2
Code specifying the application or source of Marks and Numbers (87)			
Required by the Motor Carrier Industry			
		CODE	DEFINITION
		AA	SSCC-18
		CP	Carrier-Assigned Package ID Number
MAN02	87	Marks and Numbers	M AN 1/48
Marks and numbers used to identify a shipment or parts of a shipment			
Required by the Motor Carrier Industry			
MAN03	87	Marks and Numbers	O AN 1/48
Marks and numbers used to identify a shipment or parts of a shipment			
This data element is used only when transmitting a range of ID numbers.			
MAN04	88	Marks and Numbers Qualifier	X ID 1/2
Code specifying the application or source of Marks and Numbers (87)			

Data Element Summary

REF. DES.	DATA ELE.	NAME	ATTRIBUTES
		CODE DEFINITION	
		AA SSCC-18	
			See External Code Source 664 in Chapter IX for reference document.
		CP Carrier-Assigned Package ID Number	
MAN05	87	Marks and Numbers	X AN 1/48
		Marks and numbers used to identify a shipment or parts of a shipment	
MAN06	87	Marks and Numbers	O AN 1/48
		Marks and numbers used to identify a shipment or parts of a shipment	
			This data element is used only when transmitting a range of ID numbers.

Segment: OID Order Identification Detail

Level: Detail

Loop: 0210

Usage: Optional

Max Use: 999999

Purpose: To specify order identification detail

Set Notes: 1 The OID segment provides the purchase order numbers and details associated with the line item details included in the AT2 segment.

- Syntax:**
- 1 R0102 - At least one of OID01 or OID02 is required.
 - 2 C0302 - If OID03 is present, then OID02 is required.
 - 3 P0405 - If either OID04 or OID05 is present, then the other is required.
 - 4 P0607 - If either OID06 or OID07 is present, then the other is required.
 - 5 P0809 - If either OID08 or OID09 is present, then the other is required.

- Semantic:**
- 1 OID01 is the seller's order identification number.
 - 2 OID03 is the number assigned by the consignee to further define the purchase order number.

Example: **OID**12345*12*PCS*134*L*1800 N/L**

OID *	OID01 127 Reference Ident X AN 1/30	* OID02 324 PO Number X AN 1/22	* OID03 127 Reference Ident O AN 1/30	* OID04 211 Packaging Form Code X ID 3/3	* OID05 380 Quantity X R 1/15	* OID06 188 Weight Unit Code X ID 1/1
	OID07 81 Weight X R 1/10	* OID08 184 Volume Unit Qualifier X ID 1/1	* OID09 183 Volume X R 1/8	* OID10 647 Appl Error Cond Code O ID 1/3	* OID11 127 Reference Ident O AN 1/30	N / L

Data Element Summary

REF. DES.	DATA ELE.	NAME	ATTRIBUTES
OID01	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30
OID02	324	Purchase Order Number Identifying number for Purchase Order assigned by the orderer/purchaser Required by the Motor Carrier Industry	X AN 1/22
OID03	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	O AN 1/30
OID04	211	Packaging Form Code Code for packaging form of the lading quantity CODE DEFINITION CTN Carton PCS Pieces	X ID 3/3
OID05	380	Quantity Numeric value of quantity	X R 1/15

Data Element Summary

REF. DES.	DATA ELE.	NAME	ATTRIBUTES		
OID06	188	Weight Unit Code Code specifying the weight unit	X	ID	1/1
		<u>CODE</u> <u>DEFINITION</u>			
		K Kilograms			
		L Pounds			
OID07	81	Weight Numeric value of weight	X	R	1/10
OID08	184	Volume Unit Qualifier Code identifying the volume unit	X	ID	1/1
		Not Used by the Motor Carrier Industry			
OID09	183	Volume Value of volumetric measure	X	R	1/8
		Not Used by the Motor Carrier Industry			
OID10	647	Application Error Condition Code Code indicating application error condition	O	ID	1/3
		Not Used by the Motor Carrier Industry			
OID11	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	O	AN	1/30
		Not Used by the Motor Carrier Industry			

Segment: LX Assigned Number

Level: Detail

Loop: 0220 **Repeat:** 999999

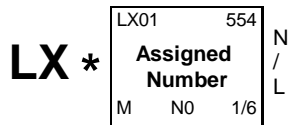
Usage: Optional

Max Use: 1

Purpose: To reference a line number in a transaction set

Set Notes: 1 Loop 0220 shall only be used when the marks and numbers or the purchase order detail can not be associated with the specific Bill of Lading line item details included in the AT2 segments transmitted with this Bill of Lading.

Example: LX*1 N/L



Data Element Summary

REF. DES.	DATA ELE.	NAME	ATTRIBUTES
LX01	554	Assigned Number	M NO 1/6

Number assigned for differentiation within a transaction set

Required by the Motor Carrier Industry

This is a sequential number starting with one and incrementing by one, for every occurrence of the LX segment.

Segment: MAN Marks and Numbers

Level: Detail

Loop: 0220

Usage: Optional

Max Use: 999999

Purpose: To indicate identifying marks and numbers for shipping containers

Syntax: 1 P0405 - If either MAN04 or MAN05 is present, then the other is required.

2 C0605 - If MAN06 is present, then MAN05 is required.

Semantic: 1 MAN01/MAN02 and MAN04/MAN05 may be used to identify two different marks and numbers assigned to the same physical container.

2 When both MAN02 and MAN03 are used, MAN02 is the starting number of a sequential range and MAN03 is the ending number of that range.

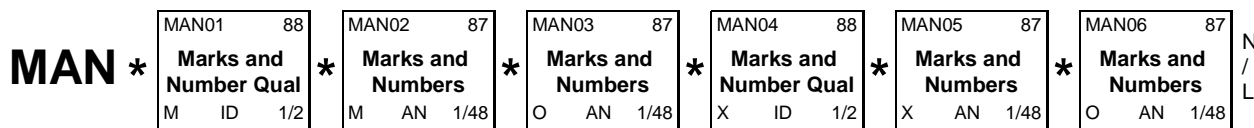
3 When both MAN05 and MAN06 are used, MAN05 is the starting number of a sequential range, and MAN06 is the ending number of that range.

Comments: A When MAN01 contains code "UC" (U.P.C. Shipping Container Code) and MAN05/MAN06 contain a range of ID numbers, MAN03 is not used. The reason for this is that the U.P.C. Shipping Container code is the same on every carton that is represented in the range in MAN05/MAN06.

B MAN03 and/or MAN06 are only used when sending a range(s) of ID numbers.

C When both MAN02/MAN03 and MAN05/MAN06 are used to send ranges of ID numbers, the integrity of the two ID numbers must be maintained.

Example: MAN*AA*123456789098765432**CP*123567456 N/L



Data Element Summary

REF. DES.	DATA ELE.	NAME	ATTRIBUTES
MAN01	88	Marks and Numbers Qualifier	M ID 1/2
Code specifying the application or source of Marks and Numbers (87)			
Required by the Motor Carrier Industry			
		CODE	DEFINITION
		AA	SSCC-18
See External Code Source 664 in Chapter IX for reference document.			
		CP	Carrier-Assigned Package ID Number
MAN02	87	Marks and Numbers	M AN 1/48
Marks and numbers used to identify a shipment or parts of a shipment			
Required by the Motor Carrier Industry			
MAN03	87	Marks and Numbers	O AN 1/48
Marks and numbers used to identify a shipment or parts of a shipment			
This data element is used only when transmitting a range of ID numbers.			
MAN04	88	Marks and Numbers Qualifier	X ID 1/2
Code specifying the application or source of Marks and Numbers (87)			

Data Element Summary

REF. DES.	DATA ELE.	NAME	ATTRIBUTES						
		<table border="1"> <thead> <tr> <th>CODE</th> <th>DEFINITION</th> </tr> </thead> <tbody> <tr> <td>AA</td> <td>SSCC-18</td> </tr> <tr> <td>CP</td> <td>Carrier-Assigned Package ID Number</td> </tr> </tbody> </table>	CODE	DEFINITION	AA	SSCC-18	CP	Carrier-Assigned Package ID Number	
CODE	DEFINITION								
AA	SSCC-18								
CP	Carrier-Assigned Package ID Number								
MAN05	87	Marks and Numbers Marks and numbers used to identify a shipment or parts of a shipment	X AN 1/48						
MAN06	87	Marks and Numbers Marks and numbers used to identify a shipment or parts of a shipment This data element is used only when transmitting a range of ID numbers.	O AN 1/48						

Segment: OID Order Identification Detail

Level: Detail

Loop: 0220

Usage: Optional

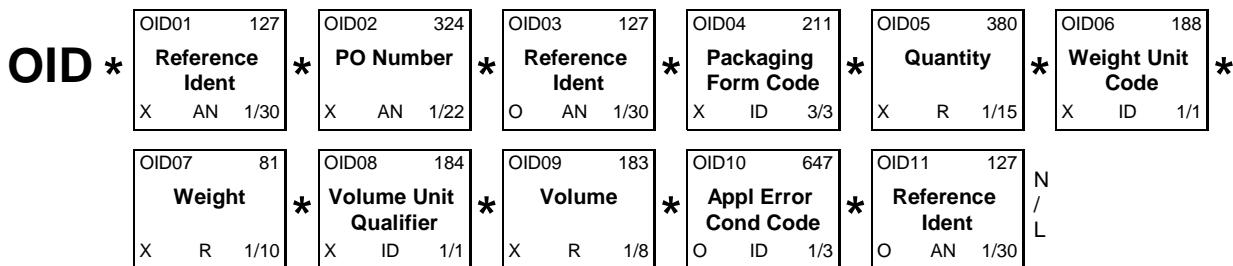
Max Use: 999999

Purpose: To specify order identification detail

- Syntax:**
- 1 R0102 - At least one of OID01 or OID02 is required.
 - 2 C0302 - If OID03 is present, then OID02 is required.
 - 3 P0405 - If either OID04 or OID05 is present, then the other is required.
 - 4 P0607 - If either OID06 or OID07 is present, then the other is required.
 - 5 P0809 - If either OID08 or OID09 is present, then the other is required.

- Semantic:**
- 1 OID01 is the seller's order identification number.
 - 2 OID03 is the number assigned by the consignee to further define the purchase order number.

Example: **OID**12345*12*PCS*134*L*1800 N/L**



Data Element Summary

REF. DES.	DATA ELE.	NAME	ATTRIBUTES
OID01	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30
OID02	324	Purchase Order Number Identifying number for Purchase Order assigned by the orderer/purchaser	X AN 1/22
OID03	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	O AN 1/30
OID04	211	Packaging Form Code Code for packaging form of the lading quantity	X ID 3/3
		CODE DEFINITION	
		CTN Carton	
		PCS Pieces	
OID05	380	Quantity Numeric value of quantity	X R 1/15
OID06	188	Weight Unit Code Code specifying the weight unit	X ID 1/1

Data Element Summary

REF. DES.	DATA ELE.	NAME	ATTRIBUTES						
		<table border="1"> <thead> <tr> <th>CODE</th> <th>DEFINITION</th> </tr> </thead> <tbody> <tr> <td>K</td> <td>Kilograms</td> </tr> <tr> <td>L</td> <td>Pounds</td> </tr> </tbody> </table>	CODE	DEFINITION	K	Kilograms	L	Pounds	
CODE	DEFINITION								
K	Kilograms								
L	Pounds								
OID07	81	Weight Numeric value of weight	X R 1/10						
OID08	184	Volume Unit Qualifier Code identifying the volume unit	X ID 1/1						
Not Used by the Motor Carrier Industry									
		<table border="1"> <thead> <tr> <th>CODE</th> <th>DEFINITION</th> </tr> </thead> <tbody> <tr> <td>E</td> <td>Cubic Feet</td> </tr> <tr> <td>X</td> <td>Cubic Meters</td> </tr> </tbody> </table>	CODE	DEFINITION	E	Cubic Feet	X	Cubic Meters	
CODE	DEFINITION								
E	Cubic Feet								
X	Cubic Meters								
OID09	183	Volume Value of volumetric measure	X R 1/8						
Not Used by the Motor Carrier Industry									
OID10	647	Application Error Condition Code Code indicating application error condition	O ID 1/3						
Not Used by the Motor Carrier Industry									
OID11	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	O AN 1/30						
Not Used by the Motor Carrier Industry									

Segment: G61 Contact

Level: Detail

Loop: 0230 **Repeat:** 2

Usage: Optional

Max Use: 1

Purpose: To identify a person or office to whom communications should be directed

Set Notes: 1 The G61 segment shall only be used to provide the name and phone number of the contact for any hazardous materials included on this Bill of Lading.

Syntax: 1 P0304 - If either G6103 or G6104 is present, then the other is required.

Comments: A G6103 qualifies G6104.

Notes: Loops 0230 and 0231 are used to transmit information pertaining to hazardous materials in a machine processable format. The G61 segment is used to transmit the hazardous materials contact only.

Example: G61*HM*JOHN DOE*TE*2168824972 N/L

G61 *	G6101	366	*	G6102	93	*	G6103	365	*	G6104	364	*	G6105	443	N / L
	Contact Func Code			Name			Comm Number Qual			Comm Number			Contact Inq Reference		
	M	ID		M	AN		X	ID		X	AN		O	AN	
		2/2			1/60			2/2			1/256			1/20	

Data Element Summary

REF. DES.	DATA ELE.	NAME	ATTRIBUTES
G6101	366	Contact Function Code	M ID 2/2
		Code identifying the major duty or responsibility of the person or group named	
		Required by the Motor Carrier Industry	
		<u>CODE</u> <u>DEFINITION</u>	
		HM Hazardous Material Contact	
G6102	93	Name	M AN 1/60
		Free-form name	
		Required by the Motor Carrier Industry	
G6103	365	Communication Number Qualifier	X ID 2/2
		Code identifying the type of communication number	
		Required by the Motor Carrier Industry	
		<u>CODE</u> <u>DEFINITION</u>	
		TE Telephone	
G6104	364	Communication Number	X AN 1/256
		Complete communications number including country or area code when applicable	
		Required by the Motor Carrier Industry	
G6105	443	Contact Inquiry Reference	O AN 1/20
		Additional reference number or description to clarify a contact number	
		Not Used by the Motor Carrier Industry	

Segment: L11 Business Instructions and Reference Number

Level: Detail

Loop: 0230

Usage: Optional

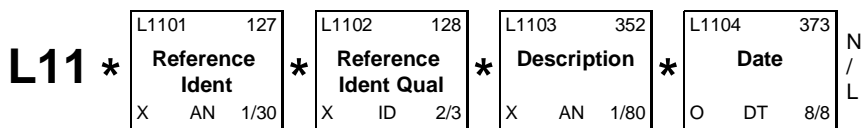
Max Use: 5

Purpose: To specify instructions in this business relationship or a reference number

Syntax: 1 R0103 - At least one of L1101 or L1103 is required.

2 P0102 - If either L1101 or L1102 is present, then the other is required.

Example: L11*123456*HN N/L



Data Element Summary

REF. DES.	DATA ELE.	NAME	ATTRIBUTES
L1101	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30
Required by the Motor Carrier Industry			
L1102	128	Reference Identification Qualifier Code qualifying the Reference Identification	X ID 2/3
Required by the Motor Carrier Industry			
		<u>CODE</u> <u>DEFINITION</u>	
		HN Hazardous Certification Number	
		HO Shipper's Hazardous Number	
L1103	352	Description A free-form description to clarify the related data elements and their content	X AN 1/80
Not Used by the Motor Carrier Industry			
L1104	373	Date Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	O DT 8/8
Not Used by the Motor Carrier Industry			

Segment: LH6 Hazardous Certification

Level: Detail

Loop: 0230

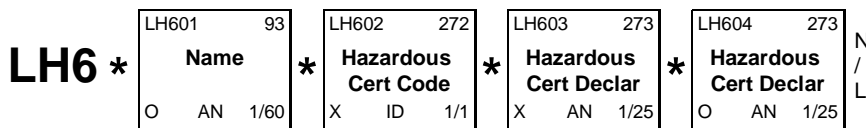
Usage: Optional

Max Use: 6

Purpose: To specify the name of the person certifying that the shipment complies with the regulations and/or the actual certification

Syntax: 1 P0203 - If either LH602 or LH603 is present, then the other is required.

Example: LH6*JOHN DOE*1*VERBIAGE N/L



Data Element Summary

REF. DES.	DATA ELE.	NAME	ATTRIBUTES						
LH601	93	Name Free-form name	O AN 1/60						
LH602	272	Hazardous Certification Code Code indicating the form of the hazardous certification	X ID 1/1						
		<table border="1"> <thead> <tr> <th>CODE</th> <th>DEFINITION</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Abbreviated Hazardous Certification</td> </tr> <tr> <td>2</td> <td>Long Form of Hazardous Certification</td> </tr> </tbody> </table>	CODE	DEFINITION	1	Abbreviated Hazardous Certification	2	Long Form of Hazardous Certification	
CODE	DEFINITION								
1	Abbreviated Hazardous Certification								
2	Long Form of Hazardous Certification								
LH603	273	Hazardous Certification Declaration Hazardous material certification verbiage as required by Title 49 of Code of Federal Regulations See External Code Source 83 in Chapter IX for reference document.	X AN 1/25						
LH604	273	Hazardous Certification Declaration Hazardous material certification verbiage as required by Title 49 of Code of Federal Regulations See External Code Source 83 in Chapter IX for reference document.	O AN 1/25						

Segment: LH1 Hazardous Identification Information

Level: Detail

Loop: 0231 **Repeat:** 25

Usage: Mandatory

Max Use: 1

Purpose: To specify the hazardous commodity identification reference number and quantity

Comments: A LH101 and LH102 are used to convey the number and type of packages for bulk and nonbulk movements.

B LH106 and LH107 are used to convey the quantity or volume and unit of measure for nonbulk shipments only.

C In LH109, a value of "R" or "P" requires that the receiver generate the words "residue: last contained" prior to the shipping name in accordance with regulations.

Notes: Required by the Motor Carrier Industry

Example: LH1*LB*2150*NA1956 N/L

LH1 *	LH101 355 Unit/Basis Meas Code M ID 2/2	*	LH102 80 Lading Quantity M NO 1/7	*	LH103 277 UN/NA ID Code O ID 6/6	*	LH104 200 Haz Mat Page O AN 1/6	*	LH105 22 Commodity Code O AN 1/30	*	LH106 355 Unit/Basis Meas Code O ID 2/2	*
	LH107 380 Quantity O R 1/15	*	LH108 595 Compartment ID Code O ID 1/1	*	LH109 665 Residue Indic Code O ID 1/1	*	LH110 254 Packing Group Code O ID 1/3	*	LH111 1375 Interim Haz Mat Reg No O AN 1/5	N / L		

Data Element Summary

REF. DES.	DATA ELE.	NAME	ATTRIBUTES
LH101	355	Unit or Basis for Measurement Code	M ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
		Required by the Motor Carrier Industry	
		CODE	DEFINITION
		GA	Gallon
		LB	Pound
LH102	80	Lading Quantity	M NO 1/7
		Number of units (pieces) of the lading commodity	
		Required by the Motor Carrier Industry	
LH103	277	UN/NA Identification Code	O ID 6/6
		Code identifying the hazardous material identification number as required by Title 49 of the code of Federal Regulations; UN/NA stands for United Nations/North America	
		See External Code Source 83 in Chapter IX for reference document.	
LH104	200	Hazardous Materials Page	O AN 1/6
		The United Nations page number as required for the international transport of hazardous materials	
		See External Code Source 125 in Chapter IX for reference document.	
LH105	22	Commodity Code	O AN 1/30
		Code describing a commodity or group of commodities	

Data Element Summary

REF. DES.	DATA ELE.	NAME	ATTRIBUTES
LH106	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O ID 2/2
		<u>CODE</u> <u>DEFINITION</u> LB Pound	
LH107	380	Quantity Numeric value of quantity	O R 1/5
LH108	595	Compartment ID Code Code identifying the compartment in a compartmentalized tank car	O ID 1/1
		Not Used by the Motor Carrier Industry	
LH109	665	Residue Indicator Code Code indicating that the material being described is that which remains in a packaging (including a tank car) after it has been unloaded	O ID 1/1
		<u>CODE</u> <u>DEFINITION</u> P Residue Last Contained Description (Packages) See External Code Source 52 in Chapter IX for reference document. R Residue Last Contained Description (Tank Car) See External Code Source 52 in Chapter IX for reference document.	
LH110	254	Packing Group Code Code indicating degree of danger in terms of Roman number I, II or III	O ID 1/3
		See External Code Source 84 in Chapter IX for reference document.	
LH111	1375	Interim Hazardous Material Regulatory Number Identifies the current regulatory version number used for hazardous materials shipments	O AN 1/5

Segment: LH2 Hazardous Classification Information

Level: Detail

Loop: 0231

Usage: Optional

Max Use: 4

Purpose: To specify the hazardous notation and endorsement information

- Syntax:**
- 1 P0607 - If either LH206 or LH207 is present, then the other is required.
 - 2 P0809 - If either LH208 or LH209 is present, then the other is required.
 - 3 P1011 - If either LH210 or LH211 is present, then the other is required.
 - 4 P1213 - If either LH212 or LH213 is present, then the other is required.

- Semantic:**
- 1 LH206 and LH207 indicate the flashpoint temperature.
 - 2 LH208 and LH209 indicate the control temperature.
 - 3 LH210 and LH211 indicate the emergency temperature.
 - 4 LH212 and LH213 indicate the net explosive weight.

Example: LH2*POISON*P N/L

LH2 *	LH201 215 Hazardous Class O ID 1/30	*	LH202 983 Hazardous Class Qual O ID 1/1	*	LH203 218 Hazardous Plac Note O ID 14/40	*	LH204 222 Hazardous Endorsement O ID 4/25	*	LH205 759 Reportable Qty Code O ID 2/2	*	LH206 355 Unit/Basis Meas Code X ID 2/2	*
	LH207 408 Temperature X R 1/4	*	LH208 355 Unit/Basis Meas Code X ID 2/2	*	LH209 408 Temperature X R 1/4	*	LH210 355 Unit/Basis Meas Code X ID 2/2	*	LH211 408 Temperature X R 1/4	*	LH212 188 Weight Unit Code X ID 1/1	*
	LH213 267 Explos Qty Net X NO 1/6	N / L										

Data Element Summary

REF. DES.	DATA ELE.	NAME	ATTRIBUTES
LH201	215	Hazardous Classification	O ID 1/30
		The hazardous classification corresponding to the shipping name of the hazardous commodity	
		See External Code Source 83 in Chapter IX for reference document.	
LH202	983	Hazardous Class Qualifier	O ID 1/1
		Code qualifying hazardous class	
		<u>CODE</u> <u>DEFINITION</u>	
		P Primary	
		S Secondary	
LH203	218	Hazardous Placard Notation	O ID 14/40
		The placard notation corresponding to the hazard class of the hazardous commodity	
		See External Code Source 83 in Chapter IX for reference document.	
LH204	222	Hazardous Endorsement	O ID 4/25
		The placard endorsement that is to be shown on the shipping papers for the hazardous commodity	
		See External Code Source 83 in Chapter IX for reference document.	

Data Element Summary

REF. DES.	DATA ELE.	NAME	ATTRIBUTES
LH205	759	Reportable Quantity Code Code to identify presence of hazardous substance	O ID 2/2
		<u>CODE</u> <u>DEFINITION</u>	
		RQ Reportable Quantity	
LH206	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	X ID 2/2
		<u>CODE</u> <u>DEFINITION</u>	
		FA Fahrenheit	
LH207	408	Temperature Temperature	X R 1/4
LH208	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	X ID 2/2
LH209	408	Temperature Temperature	X R 1/4
LH210	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	X ID 2/2
LH211	408	Temperature Temperature	X R 1/4
LH212	188	Weight Unit Code Code specifying the weight unit	X ID 1/1
LH213	267	Net Explosive Quantity Net weight of the explosive quantity of the hazardous commodity	X NO 1/6

Segment: LH3 Hazardous Material Shipping Name

Level: Detail

Loop: 0231

Usage: Optional

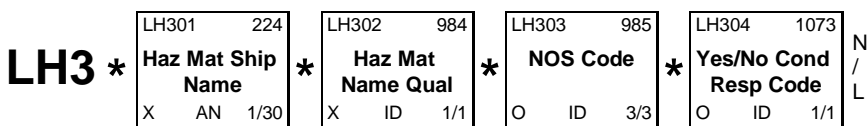
Max Use: 10

Purpose: To specify the hazardous material shipping name and additional descriptive requirements

Syntax: 1 P0102 - If either LH301 or LH302 is present, then the other is required.

Semantic: 1 If LH304 is "Y", then this is an Association of American Railroads Operations and Transportation Bulletin 55 commodity. If "N", it is not an Association of American Railroads Operations and Transportation Bulletin 55 commodity.

Example: LH3*ACETONE*D N/L



Data Element Summary

REF. DES.	DATA ELE.	NAME	ATTRIBUTES
LH301	224	Hazardous Material Shipping Name	X AN 1/30
The proper shipping name of the hazardous commodity as specified by Title 49 Code of Federal Regulations, or the shipping name of the dangerous good as defined in the Canadian Transportation of Dangerous Goods Act and Regulations, or the international regulations as promulgated by the United Nations			
See External Code Source 83 in Chapter IX for reference document.			
LH302	984	Hazardous Material Shipping Name Qualifier	X ID 1/1
Qualifier indicating the source (regulatory) of the proper shipping name			
		<u>CODE</u> <u>DEFINITION</u>	
		C Canadian Shipping Name	
		D Domestic (United States) Shipping Name	
		I International Shipping Name	
LH303	985	Hazardous Indicator Code	O ID 3/3
Code indicating the type of regulatory requirements that apply to a description; N.O.S. stands for Not Otherwise Specified			
		<u>CODE</u> <u>DEFINITION</u>	
		NOS N.O.S. Regulatory Requirements Apply	
LH304	1073	Yes/No Condition or Response Code	O ID 1/1
Code indicating a Yes or No condition or response			
		<u>CODE</u> <u>DEFINITION</u>	
		N No	
		Y Yes	

Segment: LFH Freeform Hazardous Material Information

Level: Detail

Loop: 0231

Usage: Optional

Max Use: 20

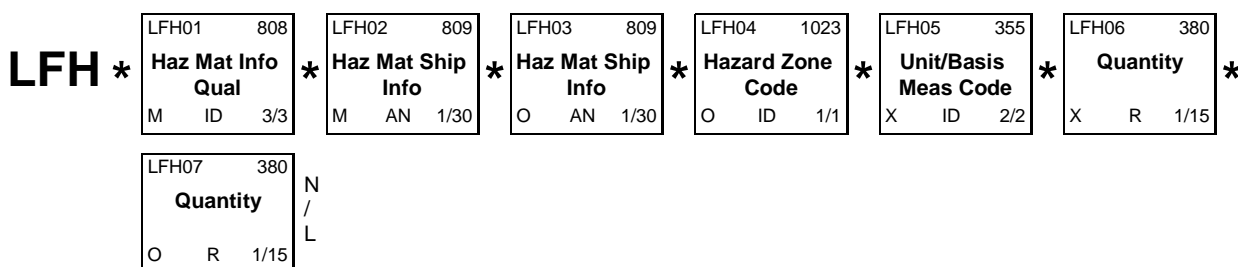
Purpose: To uniquely identify the variable information required by government regulation covering the transportation of hazardous material shipments

Syntax: 1 P0506 - If either LFH05 or LFH06 is present, then the other is required.

Semantic: 1 LFH06 indicates activity of the radioactive material.

2 LFH07 indicates transport index of the radioactive material.

Example: LFH*POI*MONO N/L



Data Element Summary

REF. DES.	DATA ELE.	NAME	ATTRIBUTES
LFH01	808	Hazardous Material Shipment Information Qualifier	M ID 3/3
Qualifier indicating the type of information being passed so that a receiver may format a description of hazardous commodity movements that meets regulatory requirements			
Required by the Motor Carrier Industry			
		CODE	DEFINITION
		ADI	Additional Descriptive Information Not Required by Regulation but Desired to Accompany the Movement by the Shipper
		INH	Inhalation Hazard
		LQY	"Limited Quantity" Declaration
		PIH	"Poison - Inhalation Hazard" Declaration
		POI	"Poison" Declaration
		TEC	Technical or Chemical Group Name
		TNM	Trade Name
LFH02	809	Hazardous Material Shipment Information	M AN 1/30
Specific information required by law for hazardous material shipments			
Required by the Motor Carrier Industry			
LFH03	809	Hazardous Material Shipment Information	O AN 1/30
Specific information required by law for hazardous material shipments			
LFH04	1023	Hazard Zone Code	O ID 1/1
Code specifying the Department of Transportation assigned zone designating the Inhalation Toxicity Hazard Zone			
		CODE	DEFINITION
		A	Hazard Zone A
		B	Hazard Zone B
		C	Hazard Zone C
		D	Hazard Zone D

Data Element Summary

REF. DES.	DATA ELE.	NAME	ATTRIBUTES		
LFH05	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	X	ID	2/2
LFH06	380	Quantity Numeric value of quantity	X	R	1/15
LFH07	380	Quantity Numeric value of quantity	O	R	1/15

Segment: LEP EPA Required Data

Level: Detail

Loop: 0231

Usage: Optional

Max Use: 3

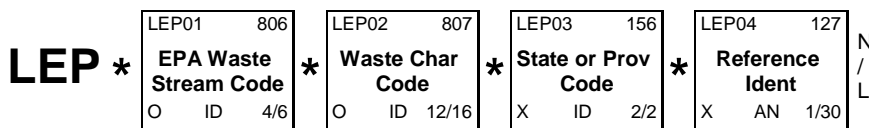
Purpose: To specify the Environmental Protection Agency (EPA) information relating to shipments of hazardous material

Syntax: 1 P0304 - If either LEP03 or LEP04 is present, then the other is required.

Semantic: 1 LEP03 is used to identify the state or province responsible for the hazardous waste number contained in LEP04.

2 LEP04 is the hazardous waste number.

Example: LEP*12 N/L



Data Element Summary

REF. DES.	DATA ELE.	NAME	ATTRIBUTES
LEP01	806	EPA Waste Stream Number Code Waste stream number applicable to the movement of hazardous waste as determined by government regulations See External Code Source 115 in Chapter IX for reference document.	O ID 4/6
LEP02	807	Waste Characteristics Code Waste characteristics as defined by regulatory requirements See External Code Source 115 in Chapter IX for reference document.	O ID 12/16
LEP03	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	X ID 2/2
LEP04	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30

Segment: LH4 Canadian Dangerous Requirements

Level: Detail

Loop: 0231

Usage: Optional

Max Use: 1

Purpose: To specify additional Transport Canada requirements covering transportation of dangerous goods in Canada

Syntax: 1 P0102 - If either LH401 or LH402 is present, then the other is required.

2 P0812 - If either LH408 or LH412 is present, then the other is required.

Semantic: 1 LH411 is an additional telephone number.

Comments: A LH402 is used for the emergency response plan telephone number.

B LH404 is for the first subsidiary classification.

C LH405 is for the second subsidiary classification.

D LH406 is for the third subsidiary classification.

Example: LH4*123*6142736407 N/L

LH4 *	LH401 238 Emerg Resp Plan Number X AN 1/12	*	LH402 364 Comm Number X AN 1/256	*	LH403 254 Packing Group Code O ID 1/3	*	LH404 230 Subsidiary Class O ID 1/3	*	LH405 230 Subsidiary Class O ID 1/3	*	LH406 230 Subsidiary Class O ID 1/3	*
	LH407 271 Subsidiary Risk Indic O ID 1/2	*	LH408 267 Explos Qty Net X NO 1/6	*	LH409 805 Canadian Hazard Note O AN 1/25	*	LH410 986 Sp Commod Ind Code O ID 1/1	*	LH411 364 Comm Number O AN 1/256	*	LH412 355 Unit/Basis Meas Code X ID 2/2	N / L

Data Element Summary

REF. DES.	DATA ELE.	NAME	ATTRIBUTES
LH401	238	Emergency Response Plan Number The identity number of a specific hazardous emergency response plan that is assigned by the Director General of Canada See External Code Source 84 in Chapter IX for reference document.	X AN 1/12
LH402	364	Communication Number Complete communications number including country or area code when applicable	X AN 1/256
LH403	254	Packing Group Code Code indicating degree of danger in terms of Roman number I, II or III See External Code Source 84 in Chapter IX for reference document.	O ID 1/3
LH404	230	Subsidiary Classification Code indicating the classification of dangerous goods, other than the primary classification, that is associated with a number or a set of numbers See External Code Source 84 in Chapter IX for reference document.	O ID 1/3
LH405	230	Subsidiary Classification Code indicating the classification of dangerous goods, other than the primary classification, that is associated with a number or a set of numbers See External Code Source 84 in Chapter IX for reference document.	O ID 1/3

Data Element Summary

REF. DES.	DATA ELE.	NAME	ATTRIBUTES
LH406	230	Subsidiary Classification	O ID 1/3
		Code indicating the classification of dangerous goods, other than the primary classification, that is associated with a number or a set of numbers	
		See External Code Source 84 in Chapter IX for reference document.	
LH407	271	Subsidiary Risk Indicator	O ID 1/2
		Code identifying the type of subsidiary risk	
		<u>CODE</u> <u>DEFINITION</u>	
		I Potentially Very Damaging To The Eyes	
LH408	267	Net Explosive Quantity	X NO 1/6
		Net weight of the explosive quantity of the hazardous commodity	
		See External Code Source 84 in Chapter IX for reference document.	
LH409	805	Canadian Hazardous Notation	O AN 1/25
		Notation required by Canadian regulatory agencies	
LH410	986	Special Commodity Indicator Code	O ID 1/1
		Code indicating 'Special Commodity' notation on operational waybill as identified by the Transportation of Dangerous Goods Act and Regulation (TDG)	
		<u>CODE</u> <u>DEFINITION</u>	
		S Positive Indicator	
LH411	364	Communication Number	O AN 1/256
		Complete communications number including country or area code when applicable	
LH412	355	Unit or Basis for Measurement Code	X ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	

Segment: LHT Transborder Hazardous Requirements

Level: Detail

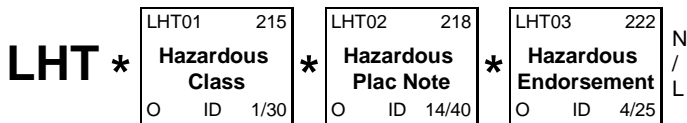
Loop: 0231

Usage: Optional

Max Use: 3

Purpose: To specify the placard information required by the second government agency when shipment is to cross into another country

Example: LHT*POISON N/L



Data Element Summary

REF. DES.	DATA ELE.	NAME	ATTRIBUTES
LHT01	215	Hazardous Classification The hazardous classification corresponding to the shipping name of the hazardous commodity See External Code Source 83 in Chapter IX for reference document.	O ID 1/30
LHT02	218	Hazardous Placard Notation The placard notation corresponding to the hazard class of the hazardous commodity See External Code Source 83 in Chapter IX for reference document.	O ID 14/40
LHT03	222	Hazardous Endorsement The placard endorsement that is to be shown on the shipping papers for the hazardous commodity See External Code Source 83 in Chapter IX for reference document.	O ID 4/25

Segment: L11 Business Instructions and Reference Number

Level: Detail

Loop: 0231

Usage: Optional

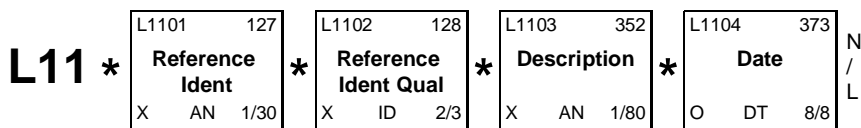
Max Use: 5

Purpose: To specify instructions in this business relationship or a reference number

Syntax: 1 R0103 - At least one of L1101 or L1103 is required.

2 P0102 - If either L1101 or L1102 is present, then the other is required.

Example: L11*12345*HO N/L



Data Element Summary

REF. DES.	DATA ELE.	NAME	ATTRIBUTES
L1101	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30
Required by the Motor Carrier Industry			
L1102	128	Reference Identification Qualifier Code qualifying the Reference Identification	X ID 2/3
Required by the Motor Carrier Industry			
		<u>CODE</u> <u>DEFINITION</u>	
		HE Hazardous Exemption Number	
		HN Hazardous Certification Number	
		HO Shipper's Hazardous Number	
L1103	352	Description A free-form description to clarify the related data elements and their content	X AN 1/80
Not Used by the Motor Carrier Industry			
L1104	373	Date Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	O DT 8/8
Not Used by the Motor Carrier Industry			

Segment: SE Transaction Set Trailer

Level: Detail

Loop: _____

Usage: Mandatory

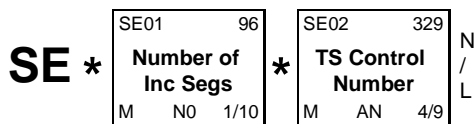
Max Use: 1

Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Comments: A SE is the last segment of each transaction set.

Notes: Required by the Motor Carrier Industry

Example: SE*12*000010001 N/L



Data Element Summary

REF. DES.	DATA ELE.	NAME	ATTRIBUTES
SE01	96	Number of Included Segments	M NO 1/10
Total number of segments included in a transaction set including ST and SE segments			
Required by the Motor Carrier Industry			
This is the total number of segments in this transaction set including the ST and SE.			
SE02	329	Transaction Set Control Number	M AN 4/9
Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set			
Required by the Motor Carrier Industry			
The transaction set control number must be the same as the transaction set control number used in the ST segment (ST02) for this transaction set.			

Motor Carrier Bill Of Lading (211)

Business Overview

Definitions:

The following examples use a cutout portion of an actual printed copy of a Bill of Lading. The column definitions are:

H/U Count - Represents the number of Handling Units the carrier actually handles, e.g., if the shipment has 2 pallets containing 20 cartons the number of handling units is 2 (pallet count).

H/U Type - Type of package form code the carrier is handling, e.g., Pallets, Skids, Slip Sheets, Cartons, Pieces, etc.

Unit Count - This column will only be used when the Handling unit type is pallet, skid or slip sheets. This column represents the number of pieces contained on the pallet, skid or slip sheet.

Unit Type - Package form code for the units contained on the H/U Type, e.g., Pieces, Cartons, etc.

Description - Text description of the commodity being shipped.

NMFC Number - National Motor Freight Classification Code - This number is assigned by the National Motor Freight Tariff Association and is unique for each commodity.

Weight - Total weight for the line item.

Assumptions:

Commodity 1 weighs	42 pounds
Commodity 2 weighs	24 pounds
Commodity 3 weighs	42 pounds
One pallet weighs	40 pounds

Example 1: Freight Not Palletized

Business Scenario

This is the simplest of all the examples. This shipment has five cartons of commodity 1 weighing 210 pounds and is identified by NMFC number 999999-01. The shipment contains two purchase orders, 123 and 456. PO 123 going to department 1144 contains two cartons and weighs 84 pounds. PO 456 also going to department 1144 has three cartons and weighs 126 pounds. The bar codes listed correspond to the five cartons on the shipment. Notice there is no unit count or type because the handling unit was not a pallet, skid or slip sheet.

H/U Count	H/U Type	Unit Count	Unit Type	Description of Article	NMFC Number	Weight
5	CTN			Commodity 1	999999-01	210
PO Number	Dept	CTN Count	Weight			
123	1144	2	84			
456	1144	3	126			

Carton ID's contained on the shipping label
00000858050113093100
00000858050113093101
00000858050113093102
00000858050113093103
00000858050113093104

EDI TRANSMISSION DATA	EXPLANATION
ST*211*000010001 N/L	(See Text Below)
BOL*SCAC*PP*12345*19980501**1231234561 N/L	
B2A*00 N/L	
MS2*SCAC*123456 N/L	
LOOP 0100	
N1*SH*SHIPPER NAME*93*123456789 N/L	
N3*9999 SHIPPER STREET*ADDITIONAL ADDRESS LINE N/L	
N4*SHIPPER CITY*ST*00000 N/L	
LOOP 0100	
N1*CN*CONSIGNEE NAME N/L	
N3*9999 CONSIGNEE STREET*ADDITIONAL ADDRESS LINE N/L	
N4*CONSIGNEE CITY*ST*99999 N/L	
G61*DC*DELIVERY CONTACT NAME*TE*8889999999 N/L	
LOOP 0200	
AT1*1 N/L	
L11*999*AE N/L	
AT4*COMMODITY 1 N/L	
LOOP 0210	
AT2*5*CTN*N*L*210****999999-01 N/L	
MAN*GM*00000858050113093100 N/L	
MAN*GM*00000858050113093101 N/L	
MAN*GM*00000858050113093102 N/L	
MAN*GM*00000858050113093103 N/L	
MAN*GM*00000858050113093104 N/L	
OID**123*1144*CTN*2*L*84 N/L	
OID**456*1144*CTN*3*L*126 N/L	
SE*23*000010001 N/L	

This example shows how freight not palletized would be mapped in an EDI 211 document. Loops 0200 and 0210 are used to define the line items. In this example there is only one commodity; therefore, there is only one occurrence of each loop. The MAN and OID segments are used in loop 0210 because they are directly associated with the commodity described in the AT1*1.

Loop 0220 is used only when the marks and numbers or the purchase order information cannot be directly associated with the line item. For example, when multiple commodities (line items) are used to fill one purchase order. An example of this will be given in a mixed commodities example. The marks and numbers normally associate with only one line item;

therefore, they will be placed in the 0210 loop along with the rest of the commodity information.

Example 2: Freight Palletized With One Commodity

Business Scenario

This shipment contains one commodity that has been palletized. Therefore, when the Bill of Lading is printed it will show two handling units (pallets) which is what the carrier picks up and is responsible for. On those two pallets are five cartons of commodity 1, NMFC number 999999-01, for a total weight of 210 pounds. The one commodity is split between purchase order number 123 which contains two cartons going to department 1144, weighing 84 pounds. The second purchase order 456 also going to department 1144 contains three cartons weighing 126 pounds. The two bar codes given are for the pallets denoted by a one in the third position of the carton label.

H/U Count	H/U Type	Unit Count	Unit Type	Description of Article	NMFC Number	Weight
2	PLT	5	CTN	Commodity 1	999999-01	210
PO Number	Dept	CTN Count	Weight			
123	1144	2	84			
456	1144	3	126			

Carton ID's contained on the shipping label

00100858050113093200
00100858050113093201

EDI TRANSMISSION DATA	EXPLANATION
ST*211*000010001 N/L	(See Text Below)
BOL*SCAC*PP*12345*19980501**1231234561 N/L	
B2A*00 N/L	
MS2*SCAC*123456 N/L	
LOOP 0100	
N1*SH*SHIPPER NAME*93*123456789 N/L	
N3*9999 SHIPPER STREET*ADDITIONAL ADDRESS LINE N/L	
N4*SHIPPER CITY*ST*00000 N/L	
LOOP 0100	
N1*CN*CONSIGNEE NAME N/L	
N3*9999 CONSIGNEE STREET*ADDITIONAL ADDRESS LINE N/L	
N4*CONSIGNEE CITY*ST*99999 N/L	
G61*DC*DELIVERY CONTACT NAME*TE*8889999999 N/L	
LOOP 0200	
AT1*1 N/L	
L11*999*AE N/L	

EDI TRANSMISSION DATA	EXPLANATION
AT4*COMMODITY 1 N/L	
LOOP 0210	
AT2*2*PLT*N*L*210*5*CTN**999999-01 N/L	
MAN*GM*00100858050113093200 N/L	
MAN*GM*00100858050113093201 N/L	
OID**123*1144*CTN*2*L*84 N/L	
OID**456*1144*CTN*3*L*126 N/L	
SE*20*000010001 N/L	

This example shows how a shipment with one commodity palletized would be mapped in an EDI 211 document. Loops 0200 and 0210 are used to define the line items. In this example there is one commodity; therefore, there is only one occurrence of each loop. The AT2 segment contains both the pallet information in the AT201 and AT202 and the unit information in the AT206 and AT207. The MAN and OID segments are used in loop 0210 because they are directly associated with the commodity described in the AT1*1.

Loop 0220 is only used when the marks and numbers or the purchase order information cannot be directly associated with the line item. For example, when multiple commodities (line items) are used to fill one purchase order. An example of this is given in the mixed commodities example. The marks and numbers normally associate with only one line item; therefore, they will be placed in the 0210 loop along with the rest of the commodity information. The marks and numbers are an intricate part of a carriers sortation system and for the retailers so the shipments can be sorted and segregated in accordance with their requests. Automated sortation systems require that marks and numbers be sent on the 211 transaction set.

Example 3: Freight Palletized With Mixed Commodities

Business Scenario

In this example we have two pallets for a total shipment weight of 530 pounds which includes the weight of the commodities and the actual pallet weight. The commodities can be split on the two pallets or each pallet could contain a different commodity. This shipment makes up two purchase orders, 123 and 456. On purchase order 123 we have three cartons of commodity 1 and seven cartons of commodity 2 all going to department 1144 and the total PO weight is 294 pounds. PO 456 has two cartons of commodity 1 and three cartons of commodity 2 also going to department 1144 for a total PO weight of 156 pounds. The bar codes listed on this shipment are for the 15 cartons.

H/U Count	H/U Type	Unit Count	Unit Type	Description of Article	NMFC Number	Weight
2	PLT	15	CTN	Misc Pallets		530
				Commodity 1	999999-01	210
				Commodity 2	999998-01	240
				Tare Weight	999999-01	80
PO Number	Dept	CTN Count	Weight			
123	1144	10	294			
456	1144	5	156			

Carton ID's contained on the shipping label
00000858050113093301
00000858050113093302
00000858050113093303
00000858050113093304
00000858050113093305
00000858050113093306
00000858050113093307
00000858050113093308
00000858050113093309
00000858050113093310
00000858050113093311
00000858050113093312
00000858050113093313
00000858050113093314
00000858050113093315

EDI TRANSMISSION DATA	EXPLANATION
ST*211*000010001 N/L	(See Text Below)
BOL*SCAC*PP*12345*19980501**1231234561 N/L	
B2A*00 N/L	
MS2*SCAC*123456 N/L	
LOOP 0100	
N1*SH*SHIPPER NAME*93*123456789 N/L	
N3*9999 SHIPPER STREET*ADDITIONAL ADDRESS LINE N/L	
N4*SHIPPER CITY*ST*00000 N/L	
LOOP 0100	
N1*CN*CONSIGNEE NAME N/L	
N3*9999 CONSIGNEE STREET*ADDITIONAL ADDRESS LINE N/L	
N4*CONSIGNEE CITY*ST*99999 N/L	
G61*DC*DELIVERY CONTACT NAME*TE*8889999999 N/L	
LOOP 0200	
AT1*1 N/L	
L11*123*AE N/L	
AT4*MISC PALLETS N/L	
LOOP 0210	
AT2*2*PLT*N*L*530 *15*CTN N/L	
MAN*GM*00000858050113093301 N/L	
MAN*GM*00000858050113093302 N/L	
MAN*GM*00000858050113093303 N/L	
MAN*GM*00000858050113093304 N/L	
MAN*GM*00000858050113093305 N/L	
MAN*GM*00000858050113093306 N/L	
MAN*GM*00000858050113093307 N/L	

EDI TRANSMISSION DATA	EXPLANATION
MAN*GM*00000858050113093308 N/L	
MAN*GM*00000858050113093309 N/L	
MAN*GM*00000858050113093310 N/L	
MAN*GM*00000858050113093311 N/L	
MAN*GM*00000858050113093312 N/L	
MAN*GM*00000858050113093313 N/L	
MAN*GM*00000858050113093314 N/L	
MAN*GM*00000858050113093315 N/L	
LOOP 0200	
AT1*2 N/L	
AT4*COMMODITY 1 N/L	
AT2***N*L*210****999999-01 N/L	
AT1*3 N/L	
AT4*COMMODITY 2 N/L	
AT2***N*L*240****999998-01 N/L	
AT1*4 N/L	
AT4*TARE WEIGHT N/L	
AT2***N*L*80 N/L	
AT1*5	
LOOP 0220	
LX*1	
OID**123*1144*CTN*10*L*294 N/L	
OID**456*1144*CTN*5*L*156 N/L	
SE*44*000010001 N/L	

This example shows how a shipment with mixed commodities palletized would be mapped in an EDI 211 document. The first line item loop 0200 is used to report on pallet information. The literal "MISC PALLETS" is used to indicate this shipment contains mixed commodities on a single pallet or multiple pallets. In this loop the number of pallets, the number of pieces, the total weight of the shipment and the 15 associated carton labels are given.

The second line item loop contains the commodity description, commodity 1, in the AT4 segment and the commodity details, weight and a unique NMFC number in the AT2 segment.

The third line item loop contains commodity information for commodity 2, the weight, the NMFC number.

The fourth line item identifies the actual pallet weight. The literal "tare weight" is used to indicate this line item is to identify the tare weight. The NMFC is assigned based on the lowest rated commodity.

The final line item loop identifies the purchase order information. Because the purchase order is not directly associated with one particular line item, the purchase order information must be in its own separate loop, loop 0220. To clarify, purchase order 123 contains two units of commodity 1 and five units of commodity 2. Therefore it cannot be associated with one particular line item and must be in its own loop. Purchase order 456 also contains both commodities and is included in this loop for the same reasons.

Example 4: Freight Palletized With Mixed Commodities And Loose Cartons

Business Scenario

In this example we have two pallets for a total weight of 450 pounds and two loose cartons that are not palletized for a total weight of 84 pounds. The palletized commodities can be split on two pallets or one pallet might contain one commodity and the other pallet contain the second commodity. The shipment makes up two purchase orders, 123 and 456. On purchase order 123 there are three cartons of commodity 1 and seven cartons of commodity 2 all going to department 1144, and the total PO weight is 294 pounds. PO 456 has two cartons of commodity 1, three cartons of commodity 2, and two cartons of commodity 3 also going to department 1144 for a total PO weight of 240 pounds. The bar codes listed on this shipment are for the 17 individual cartons and the 2 pallets.

H/U Count	H/U Type	Unit Count	Unit Type	Description of Article	NMFC Number	Weight
2	PLT	15	CTN	Misc. Pallets		450
				Commodity 1	999999-01	210
				Commodity 2	999998-01	240
2	CTN			Commodity 3	999997-01	84
PO Number	Dept	CTN Count	Weight			
123	1144	10	294			
456	1144	7	240			

Carton ID's contained on the shipping label
00100858050113093401
00100858050113093402
00000858050113093301
00000858050113093302
00000858050113093303
00000858050113093304
00000858050113093305
00000858050113093306
00000858050113093307
00000858050113093308
00000858050113093309
00000858050113093310
00000858050113093311
00000858050113093312
00000858050113093313
00000858050113093314
00000858050113093315
00000858050113093316
00000858050113093317

EDI TRANSMISSION DATA	EXPLANATION
ST*211*000010001 N/L	(See Text Below)
BOL*SCAC*PP*12345*19980501**1231234561 N/L	
B2A*00 N/L	
MS2*SCAC*123456 N/L	
LOOP 0100	
N1*SH*SHIPPER NAME*93*123456789 N/L	
N3*9999 SHIPPER STREET*ADDITIONAL ADDRESS LINE N/L	
N4*SHIPPER CITY*ST*00000 N/L	
N1*CN*CONSIGNEE NAME N/L	
N3*9999 CONSIGNEE STREET*ADDITIONAL ADDRESS LINE N/L	
N4*CONSIGNEE CITY*ST*99999 N/L	
G61*DC*DELIVERY CONTACT NAME*TE*8889999999 N/L	
LOOP 0200	
AT1*1 N/L	
AT4*MISC PALLETS N/L	
LOOP 0210	
AT2*2*PLT*N*L*450*15*CTN N/L	
MAN*GM*00100858050113093401 N/L	
MAN*GM*00100858050113093402 N/L	
MAN*GM*00000858050113093301 N/L	
MAN*GM*00000858050113093302 N/L	
MAN*GM*00000858050113093303 N/L	
MAN*GM*00000858050113093304 N/L	
MAN*GM*00000858050113093305 N/L	
MAN*GM*00000858050113093306 N/L	
MAN*GM*00000858050113093307 N/L	
MAN*GM*00000858050113093308 N/L	
MAN*GM*00000858050113093309 N/L	
MAN*GM*00000858050113093310 N/L	
MAN*GM*00000858050113093311 N/L	
MAN*GM*00000858050113093312 N/L	
MAN*GM*00000858050113093313 N/L	
MAN*GM*00000858050113093314 N/L	
MAN*GM*00000858050113093315 N/L	
LOOP 0200	
AT1*2 N/L	
AT4*COMMODITY 1 N/L	
LOOP 0210	
AT2***N*L*210****999999-01 N/L	
AT1*3 N/L	
AT4*COMMODITY 2 N/L	
AT2***N*L*240****999998-01 N/L	
LOOP 0200	
AT1*4 N/L	

EDI TRANSMISSION DATA	EXPLANATION
AT4*COMMODITY 3 N/L	
LOOP 0210	
AT2*2*CTN*N*L*84****999997-01 N/L	
MAN*GM*00000858050113093316 N/L	
MAN*GM*00000858050113093317 N/L	
LOOP 0200	
AT1*5	
LOOP 0220	
LX*1	
OID**123*1144*CTN*10*L*294 N/L	
OID**456*1144*CTN*7*L*240 N/L	
SE*47*000000001 N/L	

This example shows how a shipment with mixed commodities palletized and two loose cartons would be mapped in an EDI 211 document. The first line item loop 0200 is used to report on pallet information. The literal "MISC PALLETS" is used to indicate this shipment contains mixed commodities on a single pallet or multiple pallets. In this loop the number of pallets, the total weight of the pallet, the piece count, the package form code for the pieces, and the pallet label information are provided. Note, the third digit of the label is a "1" indicating a pallet label versus a carton label.

The subsequent line item loops are used to report the commodity information.

The second line item loop contains the commodity description, commodity 1, in the AT4 segment and the commodity details, weight and a unique NMFC number in the AT2 segment.

The third line item loop contains commodity 2 information, the weight, the NMFC number.

The fourth line item contains the information about the loose cartons. The AT201 and the AT202 are used to report the handling units the carrier is responsible for. In the previous line items the AT201 and AT202 were not used because the actual handling unit is the pallet which was given in the first line item. By using the AT201 and AT202 it is recognized that we no longer have a master handling unit such as pallet, skid or slip sheet.

The final line item loop identifies the purchase order information. Because the purchase order is not directly associated with one particular line item, the purchase order information must be in its own separate loop, loop 0220. To clarify, purchase order 123 contained two units of commodity 1 and five units of commodity 2. Therefore it cannot be associated with one particular line and must be in its own loop. Purchase order 456 contains two units of commodity 1, three units of commodity 2 and two units of commodity 3.

Example 5: Freight Palletized With Cartons Containing Mixed Commodities And Loose Cartons Containing Mixed Commodities That Are Not Palletized

Business Scenario

In this example we have two pallets which contain ten cartons. In those ten cartons each carton contains mixed commodities. The total weight of the 2 pallets is 446 pounds which 80 pounds consists of actual pallet weight. For reporting purposes it is not important to give the unit count for each of the commodities however, it is important the total weight of each commodity is given. In this example you will see in the ten cartons we have 210 pounds of commodity 1, 72 pounds of commodity 2, and 84 pounds of commodity 3.

The one loose carton that is not palletized contains mixed commodities and weighs 66 pounds. The carton consists of 42 pounds of commodity 1 and 24 pounds of commodity 2.

The shipment makes up two purchase orders, 123 and 456. On purchase order 123 we have ten cartons, for a total weight of 384 pounds (the weight of the pallets is not included in the PO weight). PO 456 has one carton going to department 1144 for a total PO weight of 66 pounds. The bar codes listed on this shipment are for the eleven individual cartons and the two pallets. The bar codes with a 1 in the third position indicate a pallet.

H/U Count	H/U Type	Unit Count	Unit Type	Description of Article	NMFC Number	Weight
2	PLT	10	CTN	Misc. Pallets		446
				Commodity 1	999999-01	210
				Commodity 2	999998-01	72
				Commodity 3	999997-01	84
				Tare Weight	999998-01	80
1	CTN			Misc. Pieces		66
				Commodity 1	999999-01	42
				Commodity 2	999998-01	24
PO Number	Dept	CTN Count	Weight			
123	1144	10	386			
456	1144	1	66			

Carton ID's contained on the shipping label
00100858050113093401
00100858050113093402
00000858050113093301
00000858050113093302
00000858050113093303
00000858050113093304
00000858050113093305
00000858050113093306
00000858050113093307
00000858050113093308
00000858050113093309
00000858050113093310
00000858050113093311

EDI TRANSMISSION DATA	EXPLANATION
ST*211*000010001 N/L	(See Text Below)
BOL*SCAC*PP*12345*19980501**1231234561 N/L	
B2A*00 N/L	
MS2*SCAC*123456 N/L	
LOOP 0100	
N1*SH*SHIPPER NAME*93*123456789 N/L	

EDI TRANSMISSION DATA	EXPLANATION
N3*9999 SHIPPER STREET*ADDITIONAL ADDRESS LINE N/L	
N4*SHIPPER CITY*ST*00000 N/L	
N1*CN*CONSIGNEE NAME N/L	
N3*9999 CONSIGNEE STREET*ADDITIONAL ADDRESS LINE N/L	
N4*CONSIGNEE CITY*ST*99999 N/L	
G61*DC*DELIVERY CONTACT NAME*TE*8889999999 N/L	
LOOP 0200	
AT1*1 N/L	
AT4*MISC PALLETS N/L	
LOOP 0210	
AT2*2*PLT*N*L *446*10*CTN N/L	
MAN*GM*00100858050113093401 N/L	
MAN*GM*00100858050113093402 N/L	
MAN*GM*00000858050113093301 N/L	
MAN*GM*00000858050113093302 N/L	
MAN*GM*00000858050113093303 N/L	
MAN*GM*00000858050113093304 N/L	
MAN*GM*00000858050113093305 N/L	
MAN*GM*00000858050113093306 N/L	
MAN*GM*00000858050113093307 N/L	
MAN*GM*00000858050113093308 N/L	
MAN*GM*00000858050113093309 N/L	
MAN*GM*00000858050113093310 N/L	
MAN*GM*00000858050113093311 N/L	
LOOP 0200	
AT1*2 N/L	
AT4*COMMODITY 1 N/L	
LOOP 0210	
AT2***N*L *210****999999-01 N/L	
LOOP 0200	
AT1*3 N/L	
AT4*COMMODITY 2 N/L	
AT2***N*L *72****999998-01 N/L	
AT1*4 N/L	
AT4*COMMODITY 3 N/L	
AT2***N*L *84****999997-01 N/L	
AT1*5 N/L	
AT4*TARE WEIGHT N/L	
AT2***N*L *80 N/L	
AT1*6 N/L	
AT4*MISC PIECES N/L	
AT2*1*CTN*N*L*66 N/L	
AT1*7 N/L	
AT4*COMMODITY 1 N/L	

EDI TRANSMISSION DATA	EXPLANATION
AT2***N*L*42****999999-01 N/L	
AT1*8 N/L	
AT4*COMMODITY 2 N/L	
AT2***N*L*24****999998-01 N/L	
AT1*9	
LOOP 0220	
LX*1	
OID**123*1144*CTN*10*L*386 N/L	
OID**456*1144*CTN*1*L*66 N/L	
SE*53*000000001 N/L	

This example shows how a shipment with mixed cartons palletized and one loose carton with mixed commodities would be mapped in an EDI 211 document. The first line item loop 0200 is used to report the pallet information. The literal "MISC PALLETS" is used to indicate this shipment contains mixed commodities on a pallet or multiple pallets. In this loop the number of pallets is provided in the AT201, the total weight of the pallet(s) in the AT205, and the total carton count on the pallet in the AT206. The only time the AT201 and the AT206 are used together with a description of "MISC PALLETS" in the AT401 is when there are mixed commodities on a pallet. The pallet label information is provided and note that the third digit of the label is a "1" indicating a pallet label versus a carton label.

The subsequent line item loops are used to report the commodity information.

The second line item loop contains the commodity description in the AT401. The AT205 contains the weight of the line item. The AT206 is blank because the actual unit count for each commodity is not required. It is only required to send the weight and the NMFC which are in the AT205 and the AT209 elements, respectively. In this example the second line item loop contains 210 pounds of commodity 1 and is recognized by NMFC number 999999-01.

The third and fourth line item loop contains commodity weight and NMFC number for commodity 2 and commodity 3. Again, the quantity is not given in the AT206 because this is not an actual handling unit.

The fifth line item loop gives information on the actual pallets. The pallet weight is 40 pounds per pallet.

The sixth line item contains the information about the loose carton. The literal "MISC PIECES" is used to indicate this carton contains mixed commodities. The AT201 and the AT202 are used to report the handling units the carrier is responsible for. In the previous line items, the AT201 and AT202 were blank because the actual handling unit the carrier is responsible for was the pallet that was given in the first line item.

The seventh and eighth line item loops contain commodity weight and NMFC number for commodity 1 and commodity 2. Again the quantity is not given in the AT206 because this is not an actual handling unit.

The final line item loop identifies the purchase order information. Because the purchase order is not directly associated with one particular line item, the purchase order information must be in its own separate loop, loop 0220. To clarify, purchase order 123 contained 10 cartons composed of commodity 1, commodity 2 and commodity 3 and therefore cannot be associated with any one particular line and must be in its own loop. Purchase order 456 contains one carton with commodity 1 and commodity 2